**2018 PEW RESEARCH CENTER’S AMERICAN TRENDS PANEL**

**WAVE 34 MARCH**

**FINAL TOPLINE**

**APRIL 23-May 6, 2018**

**TOTAL N=2,537**

**ASK ALL:**

SCI1Overall, do you think science has made life easier or more difficult for most people?

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 90 | Easier |
| 10 | More difficult |
| 1 | No answer |
|  |  |

**ASK ALL:**

SCI2Do you think science has had a mostly positive or mostly negative effect on the quality of the following in the U.S.? **[RANDOMIZE ITEMS]**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Mostly positive | Mostly negative | No Answer |
| a. Food |  |  |  |
| Apr 23-May 6, 2018 | 70 | 29 | 1 |
|  |  |  |  |
| b. Health care |  |  |  |
| Apr 23-May 6, 2018 | 90 | 9 | 1 |
|  |  |  |  |
| c. The environment |  |  |  |
| Apr 23-May 6, 2018 | 76 | 23 | 1 |
|  |  |  |  |

**ASK ALL:**

SCI3In your opinion, do you think government investments in the following usually pay off in the long run, or are they not worth it*?* **[RANDOMIZE ITEMS]**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Government investments usually pay off in the long run | Government investments usually aren’t worth it | No Answer |
| a. Basic scientific research |  |  |  |
| Apr 23-May 6, 2018 | 77 | 22 | 1 |
|  |  |  |  |
| b. Engineering and technology |  |  |  |
| Apr 23-May 6, 2018 | 80 | 19 | 1 |
| **ASK FORM 2 [N=1,284]:** |  |  |  |
| c. Medical research |  |  |  |
| Apr 23-May 6, 2018 | 80 | 19 | 1 |
|  |  |  |  |

**ASK ALL:**

SCI4 Which statement comes closer to your view, even if neither is exactly right? **[RANDOMIZE RESPONSE OPTIONS]**

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 57 | Government investment in research is ESSENTIAL for scientific progress |
| 42 | Private investment will ensure that enough scientific progress is made, even without government investment |
| 2 | No answer |
|  |  |

**ASK ALL:**

SCI5 On another topic…

All in all, do you favor or oppose the use of animals in scientific research?

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 47 | Favor |
| 52 | Oppose |
| 2 | No answer |
|  |  |

**RANDOMIZE EAT1 AND EAT2**

**ASK ALL:**

Thinking about yourself…

EAT1 How often do you choose foods to eat because they are healthy and nutritious?

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 12 | All of the time |
| 37 | More than half of the time |
| 32 | About half of the time |
| 16 | Less than half of the time |
| 3 | Never |
| <1 | No answer |

**ASK ALL:**

EAT2 How often do you choose foods to eat because they are easy and most convenient?

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 11 | All of the time |
| 29 | More than half of the time |
| 30 | About half of the time |
| 26 | Less than half of the time |
| 3 | Never |
| 1 | No answer |

**ASK ALL:**

FUD30 Do you currently have any kind of food intolerance or food allergy?

*[Check all that apply]*

|  |  |  |
| --- | --- | --- |
|  | Selected | Not selected  /No answer |
| a. I have a severe allergic reaction to some foods |  |  |
| Apr 23-May 6, 2018 | 5 | 95 |
| May 10-Jun 6, 2016 | 5 | 95 |
|  |  |  |
| b. I have a mild or moderate allergic reaction to some foods |  |  |
| Apr 23-May 6, 2018 | 10 | 90 |
| May 10-Jun 6, 2016 | 11 | 89 |
|  |  |  |
| c. I have an intolerance to some foods |  |  |
| Apr 23-May 6, 2018 | 16 | 84 |
| May 10-Jun 6, 2016 | 17 | 83 |
|  |  |  |
| d. No, None of these **[EXCLUSIVE PUNCH]** |  |  |
| Apr 23-May 6, 2018 | 71 | 29 |
| May 10-Jun 6, 2016 | 69 | 31 |
|  |  |  |

**ASK ALL:**

EAT3 Which of the following, if any, do you restrict or limit eating on a regular basis?

*[Check all that apply]* **[RANDOMIZE ITEMS WITH ITEM K ALWAYS LAST]**

|  |  |  |
| --- | --- | --- |
|  | Selected | Not selected  /No answer |
| a. Fat |  |  |
| Apr 23-May 6, 2018 | 28 | 72 |
|  |  |  |
| b. Meat |  |  |
| Apr 23-May 6, 2018 | 13 | 87 |
|  |  |  |
| c. Dairy |  |  |
| Apr 23-May 6, 2018 | 17 | 83 |
|  |  |  |
| d. Salt |  |  |
| Apr 23-May 6, 2018 | 29 | 71 |
|  |  |  |
| e. Cholesterol |  |  |
| Apr 23-May 6, 2018 | 24 | 76 |
|  |  |  |
| f. Sugar |  |  |
| Apr 23-May 6, 2018 | 38 | 62 |
|  |  |  |
| g. Artificial preservatives |  |  |
| Apr 23-May 6, 2018 | 33 | 67 |
|  |  |  |
| **EAT3 CONTINUED…** |  |  |
|  | Selected | Not selected  /No answer |
| h. Artificial colors |  |  |
| Apr 23-May 6, 2018 | 28 | 72 |
|  |  |  |
| i. Artificial sweeteners |  |  |
| Apr 23-May 6, 2018 | 44 | 56 |
|  |  |  |
| j. Gluten |  |  |
| Apr 23-May 6, 2018 | 12 | 88 |
|  |  |  |
| k. None of these **[EXCLUSIVE PUNCH]** |  |  |
| Apr 23-May 6, 2018 | 24 | 76 |
|  |  |  |

**ASK ALL:**

FUD22 How much of the food you eat is organic?

|  |  |  |
| --- | --- | --- |
| Apr 23-  May 6  2018 |  | May 10-  June 6  2016 |
| 7 | Most of it | 6 |
| 32 | Some of it | 34 |
| 43 | Not too much | 44 |
| 18 | None at all | 15 |
| 1 | No answer | 1 |
|  |  |  |

**ASK ALL:**

FUD24 Do you think organic fruits and vegetables are generally…

|  |  |  |
| --- | --- | --- |
| Apr 23-  May 6  2018 |  | May 10-  June 6  2016 |
| 45 | Better for one’s health than conventionally grown foods | 55 |
| 3 | Worse for one’s health than conventionally grown foods | 3 |
| 51 | Neither better nor worse for one’s health than conventionally grown foods | 41 |
| 1 | No answer | 1 |
|  |  |  |

**ASK ALL:**

EAT5 How much health risk, if any, does eating each of the following have for the average person over the course of their lifetime? **[RANDOMIZE ITEMS]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | A great deal of health risk | Some health risk | Not too much health risk | No health risk at all | No Answer |
| a. Fruits and vegetables grown with pesticides |  |  |  |  |  |
| Apr 23-May 6, 2018 | 31 | 48 | 17 | 3 | <1 |
|  |  |  |  |  |  |
| **EAT5 CONTINUED…** |  |  |  |  |  |
|  | A great deal of health risk | Some health risk | Not too much health risk | No health risk at all | No Answer |
| b. Meat from animals that have been given antibiotics or hormones |  |  |  |  |  |
| Apr 23-May 6, 2018 | 32 | 48 | 16 | 4 | <1 |
|  |  |  |  |  |  |
| c. Food and drinks with artificial coloring |  |  |  |  |  |
| Apr 23-May 6, 2018 | 21 | 48 | 25 | 6 | <1 |
|  |  |  |  |  |  |
| d. Food and drinks with artificial preservatives |  |  |  |  |  |
| Apr 23-May 6, 2018 | 26 | 52 | 18 | 4 | <1 |
|  |  |  |  |  |  |

**ASK ALL:**

EAT6 Which of these statements comes closer to your view, even if neither is exactly right? **[RANDOMIZE RESPONSE OPTIONS]**

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 51 | The average person is exposed to additives in the food they eat every day, which pose a serious risk to their health |
| 48 | The average person is exposed to additives in the food they eat every day but they eat such a small amount that this does not pose a serious health risk |
| 2 | No answer |
|  |  |

**ASK ALL:**

FUD32 Genetically modified foods, sometimes called GMOs, come from a technique that adds genes from other organisms to change that food’s genetic characteristics.

How much, if anything, have you heard or read about foods with genetically modified ingredients?

|  |  |  |
| --- | --- | --- |
| Apr 23-  May 6  2018 |  | May 10-  June 6  2016 |
| 29 | A lot | 29 |
| 58 | A little | 52 |
| 13 | Nothing at all | 19 |
| <1 | No answer | <1 |
|  |  |  |

**ASK ALL:**

FUD33A Do you think foods with genetically modified ingredients are generally…

|  |  |  |
| --- | --- | --- |
| Apr 23-  May 6  2018 |  | May 10-  June 6  2016 |
| 4 | Better for your health than foods with no genetically modified ingredients | 7 |
| 40 | Worse for your health than foods with no genetically modified ingredients | 33 |
| 29 | Neither better nor worse for your health than foods with no genetically modified ingredients | 32 |
| 26 | Not sure | 26 |
| 1 | No answer | 1 |
|  |  |  |

**ASK IF NO ANSWER OR NOT SURE (FUD33A=8,99) [N=656]:**

FUD33B Even if you are not sure, which is closer to your views? Do you think foods with genetically modified ingredients are generally…

|  |  |  |
| --- | --- | --- |
| Apr 23-  May 6  2018 |  | May 10-  June 6  2016 |
| 4 | Better for your health than foods with no genetically modified ingredients | 11 |
| 34 | Worse for your health than foods with no genetically modified ingredients | 22 |
| 57 | Neither better nor worse for your health than foods with no genetically modified ingredients | 58 |
| 4 | No answer | 10 |
|  |  |  |

**COMBINED RESPONSES FUD33A AND FUD33B:**

|  |  |  |
| --- | --- | --- |
| Apr 23-  May 6  2018 |  | May 10-  June 6  2016 |
| 5 | Better for your health than foods with no genetically modified ingredients | 10 |
| 49 | Worse for your health than foods with no genetically modified ingredients | 39 |
| 44 | Neither better nor worse for your health than foods with no genetically modified ingredients | 48 |
| 1 | No answer | 3 |
|  |  |  |

**ASK ALL:**

FUD35 How much do you, personally, care about the issue of genetically modified foods?

|  |  |  |
| --- | --- | --- |
| Apr 23-  May 6  2018 |  | May 10-  June 6  2016 |
| 22 | A great deal | 16 |
| 39 | Some | 37 |
| 28 | Not too much | 31 |
| 10 | Not at all | 15 |
| <1 | No answer | <1 |
|  |  |  |

**ASK ALL:**

FUD37 How likely is it that genetically modified foods will… **[RANDOMIZE ITEMS]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Very likely | Fairly likely | Not too likely | Not at all likely | No Answer |
| a. Lead to more affordably-priced food |  |  |  |  |  |
| Apr 23-May 6, 2018 | 25 | 38 | 30 | 6 | 1 |
| May 10-June 6, 2016 | 20 | 36 | 31 | 11 | 2 |
|  |  |  |  |  |  |
| b. Lead to health problems for the population as a whole |  |  |  |  |  |
| Apr 23-May 6, 2018 | 24 | 35 | 32 | 7 | 1 |
| May 10-June 6, 2016 | 16 | 33 | 39 | 10 | 2 |
|  |  |  |  |  |  |
| c. Create problems for the environment |  |  |  |  |  |
| Apr 23-May 6, 2018 | 21 | 35 | 36 | 6 | 1 |
| May 10-June 6, 2016 | 18 | 31 | 39 | 9 | 2 |
|  |  |  |  |  |  |
| d. Increase the global food supply |  |  |  |  |  |
| Apr 23-May 6, 2018 | 31 | 45 | 19 | 4 | 1 |
| May 10-June 6, 2016 | 25 | 44 | 23 | 6 | 3 |
|  |  |  |  |  |  |

**ASK ALL:**

MED1 Thinking now about medicine…

Which of these statements comes closer to your point of view, even if neither is exactly right?

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 48 | Medical treatments these days are worth the costs because they allow people to live longer and better quality lives |
| 51 | Medical treatments these days often create as many problems as they solve |
| 1 | No answer |
|  |  |

**ASK ALL:**

MED2 Thinking about medical treatments these days, how much of a problem, if at all, are each of the following? **[RANDOMIZE ITEMS]**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | A big problem | A small problem | Not a problem | No answer |
| a. Healthcare providers are too quick to order tests and procedures that may not be necessary |  |  |  |  |
| Apr 23-May 6, 2018 | 46 | 42 | 12 | 1 |
|  |  |  |  |  |
| b. People rely too much on prescription medicines that may not be necessary |  |  |  |  |
| Apr 23-May 6, 2018 | 68 | 28 | 3 | 1 |
|  |  |  |  |  |
| c. New treatments are made available before we fully understand how they affect people’s health |  |  |  |  |
| Apr 23-May 6, 2018 | 44 | 46 | 9 | 1 |
|  |  |  |  |  |
| d. The cost of treatments makes quality medical care unaffordable |  |  |  |  |
| Apr 23-May 6, 2018 | 83 | 14 | 3 | <1 |
|  |  |  |  |  |
| e. New treatments are so complex that patients cannot make informed decisions |  |  |  |  |
| Apr 23-May 6, 2018 | 42 | 48 | 9 | 1 |
|  |  |  |  |  |
| f. Side effects from prescription medicines create as many problems as the medicines solve |  |  |  |  |
| Apr 23-May 6, 2018 | 59 | 36 | 5 | <1 |
|  |  |  |  |  |
| g. The process for evaluating the safety and effectiveness of new medical treatments is too slow |  |  |  |  |
| Apr 23-May 6, 2018 | 49 | 40 | 10 | 1 |
|  |  |  |  |  |

**ASK ALL:**

MED3 How much, if anything, have you heard or read about gene editing that can be used to change a baby’s genetic characteristics?

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 12 | A lot |
| 56 | A little |
| 32 | Nothing at all |
| 1 | No answer |
|  |  |

**ASK ALL:**

MED4 Do you think each of the following is an appropriate use of medical technology or is it taking medical technology too far? **[RANDOMIZE ITEMS]**

|  |  |  |  |
| --- | --- | --- | --- |
|  | An appropriate use of medical technology | Taking medical technology too far | No Answer |
| a. Changing a baby's genetic characteristics to make the baby more intelligent |  |  |  |
| Apr 23-May 6, 2018 | 19 | 80 | 1 |
|  |  |  |  |
| b. Changing a baby's genetic characteristics to TREAT a serious disease or condition the baby would have at birth |  |  |  |
| Apr 23-May 6, 2018 | 72 | 27 | 2 |
|  |  |  |  |
| c. Changing a baby's genetic characteristics to REDUCE THE RISK of a serious disease or condition that could occur over the course of his or her lifetime |  |  |  |
| Apr 23-May 6, 2018 | 60 | 38 | 2 |
|  |  |  |  |

**ASK ALL:**

MED5 Thinking about what you have heard or read, how well do you think medical researchers understand the health risks and benefits of changing a baby’s genetic characteristics?

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 7 | Very well |
| 29 | Fairly well |
| 45 | Not too well |
| 17 | Not at all well |
| 1 | No answer |
|  |  |

**ASK ALL:**

MED6 Thinking about society as a whole…

How likely, if at all, do you think each of the following would be to occur if gene editing to change a baby’s genetic characteristics becomes widely available? **[RANDOMIZE ITEMS]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Very likely | Fairly likely | Not too likely | Not at all likely | No Answer |
| a. Even if gene editing is used appropriately in some cases, others will use these techniques in ways that are morally unacceptable |  |  |  |  |  |
| Apr 23-May 6, 2018 | 54 | 32 | 9 | 3 | 1 |
|  |  |  |  |  |  |
| b. These techniques will help people live longer and better quality lives |  |  |  |  |  |
| Apr 23-May 6, 2018 | 16 | 48 | 27 | 8 | 2 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| **MED6 CONTINUED…** |  |  |  |  |  |
|  | Very likely | Fairly likely | Not too likely | Not at all likely | No Answer |
| c. We will use these techniques before we fully understand how they affect people’s health |  |  |  |  |  |
| Apr 23-May 6, 2018 | 46 | 38 | 12 | 3 | 1 |
|  |  |  |  |  |  |
| d. Inequality will increase because this option will be available only for the wealthy |  |  |  |  |  |
| Apr 23-May 6, 2018 | 58 | 29 | 9 | 4 | 1 |
|  |  |  |  |  |  |
| e. Development of these techniques will pave the way for new medical advances that benefit society as a whole |  |  |  |  |  |
| Apr 23-May 6, 2018 | 18 | 42 | 30 | 8 | 1 |
|  |  |  |  |  |  |

**ASK ALL:**

MED7 If gene editing to change a baby’s genetic characteristics required testing on human embryos in order to develop these techniques, do you think this would be…

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 33 | An appropriate use of medical technology |
| 65 | Taking medical technology too far |
| 2 | No answer |
|  |  |

**RANDOMIZE BIOTECHA-BIOTECHE**

**ASK ALL:**

**[SHOW ON SAME SCREEN FOR FIRST BIOTECH ITEM ONLY:** Genetic engineering can be used to change the genetic characteristics of animals. Thinking about the following applications of genetic engineering…**]**

BIOTECHA Do you think genetic engineering of animals to increase their production of specific proteins that will lead to more nutritious meat would be…

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 43 | An appropriate use of technology |
| 55 | Taking technology too far |
| 2 | No answer |
|  |  |

**ASK ALL:**

BIOTECHB Do you think bringing back an animal that is currently extinct by genetically engineering a closely-related species would be…

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 32 | An appropriate use of technology |
| 67 | Taking technology too far |
| 1 | No answer |
|  |  |

**ASK ALL:**

BIOTECHC Do you think genetic engineering of mosquitoes that would prevent them from reproducing in order to prevent the spread of some mosquito-borne diseases would be…

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 70 | An appropriate use of technology |
| 29 | Taking technology too far |
| 1 | No answer |
|  |  |

**ASK ALL:**

BIOTECHD Do you think genetic engineering of animals to grow organs or tissues that can be used for humans needing a transplant would be…

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 57 | An appropriate use of technology |
| 41 | Taking technology too far |
| 2 | No answer |
|  |  |

**ASK ALL:**

BIOTECHE Do you think genetic engineering of aquarium fish to change their appearance, causing them to glow would be…

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 21 | An appropriate use of technology |
| 77 | Taking technology too far |
| 1 | No answer |
|  |  |

**ASK WHEN ANY BIOTECHA-BIOTECHE=2 AND FILL TOPIC FROM QUESTION STEM. IF MORE THAN ONE BIOTECHA-BIOTECHE=2, RANDOMLY SELECT ONE ITEM TO FILL TOPIC [N=2,255]:**

NOBIOTECH What is the MAIN REASON you think that [FILL FROM SELECTED ITEM] would be taking technology too far?

**[OPEN END RESPONSES NOT SHOWN]**

**NUMBER OF RESPONSES FILLED AT NOBIOTECH**

|  |  |
| --- | --- |
| 457 | Genetic engineering of animals to increase their production of specific proteins that will lead to more nutritious meat |
| 560 | Bringing back an animal that is currently extinct by genetically engineering a closely-related species |
| 181 | Genetic engineering of mosquitoes that would prevent them from reproducing in order to prevent the spread of some mosquito-borne diseases |
| 293 | Genetic engineering of animals to grow organs or tissues that can be used for humans needing a transplant |
| 764 | Genetic engineering of aquarium fish to change their appearance, causing them to glow |
|  |  |

**ASK IF FORM 1 [N=1,253]:**

EVOONEThinking about the development of human life on Earth…

Which statement comes closer to your own views, even if neither is exactly right? **[RANDOMIZE OPTIONS 1 AND 2]**

**ASK IF NO ANSWER ON EVOONE (EVOONE=99) [N=19]:**

EVOTWO Even if you are not sure, which of these is closer to your views? **[RANDOMIZE IN SAME ORDER AS EVOONE with option for “other view (specify)” always last]]**

**ASK IF HUMANS HAVE EVOLVED OVER TIME (EVOONE=1 OR EVOTWO=1) [N=885]:**

EVOTHREE Which of these statements comes closer to your own views, even if neither is exactly right? **[RANDOMIZE RESPONSE OPTIONS]**

**COMBINED RESPONSES EVOONE, EVOTWO, EVOTHREE [N=1,253]:**

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 68 | Humans have evolved over time |
| 40 | Humans have evolved over time due to processes such as natural selection; God or a higher power had no role in this process |
| 27 | Humans have evolved over time due to processes that were guided or allowed by God or a higher power |
| 2 | No answer on process |
| 31 | Humans have existed in their present form since the beginning of time |
| 1 | Other view |
| <1 | No answer |
|  |  |

**ASK FORM 2 [N=1,284]:**

EVOPERS3 Thinking about the development of human life on Earth…

Which statement comes closest to your view? **[RANDOMIZE OPTIONS 1 AND 3]**

**ASK IF NO ANSWER ON EVOPERS3 (EVOPERS3=99) [N=23]:**

EVOPERS3A Even if you are not sure, which statement comes closest to your view? **[RANDOMIZE IN SAME ORDER AS EVOPERS3, with option for “other view (specify)” always last]**

**COMBINED RESPONES EVOPERS3 AND EVOPERS3A [N=1,284]:**

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 33 | Humans have evolved over time due to processes such as natural selection; God or a higher power had no role in this process |
| 48 | Humans have evolved over time due to processes that were guided or allowed by God or a higher power |
| 18 | Humans have existed in their present form since the beginning of time |
| <1 | Other view |
| 1 | No answer |
|  |  |

**ASK ALL:**

EVOBIOA From what you have heard or read, which of these statements about the development of human life on Earth comes closest to WHAT MOST BIOLOGICAL SCIENTISTS SAY?[[1]](#footnote-1) **[SHOW IN SAME ORER AS EVOONE OR EVOPERS3]**

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 65 | Humans have evolved over time due to processes such as natural selection |
| 16 | Humans have existed in their present form since the beginning of time |
| 19 | Not sure |
| 1 | No answer |
|  |  |

**ASK IF NOT SURE OR NO ANSWER (EVOBIOA=8 OR 99) [N=406]:**

EVOBIOB Even if you are not sure, from what you have heard or read, which of these statements about the development of human life on Earth comes closest to WHAT MOST BIOLOGICAL SCIENTISTS SAY? **[SHOW IN SAME ORDER AS EVOBIOA]**

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 55 | Humans have evolved over time due to processes such as natural selection |
| 36 | Humans have existed in their present form since the beginning of time |
| 9 | No answer |
|  |  |

**COMBINED RESPONSES EVOBIOA AND EVOBIOB:**

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 76 | Humans have evolved over time due to processes such as natural selection |
| 23 | Humans have existed in their present form since the beginning of time |
| 2 | No answer |
|  |  |

**ASK ALL:**

BIO15 Have you seen a health care provider FOR AN ILLNESS OR MEDICAL CONDITION in the past 12 months, or not?

|  |  |  |
| --- | --- | --- |
| Apr 23-  May 6  2018 |  | May 10-  June 6  2016 |
| 64 | Yes | 63 |
| 36 | No | 36 |
| 1 | No answer | 2 |
|  |  |  |

**ASK ALL:**

G1 Do you, or does anyone in your immediate family, have a gene that predisposes you to a serious disease such as Alzheimer’s, cancer, heart disease or sickle cell anemia?

|  |  |  |
| --- | --- | --- |
| Apr 23-  May 6  2018 |  | May 10-  June 6  2016 |
| 26 | Yes | 27 |
| 40 | No | 43 |
| 34 | Not sure | 30 |
| 1 | No answer | 1 |
|  |  |  |

**ASK ALL:**

G2 Have you, or has anyone in your immediate family, ever had a genetic test, or haven’t you done this?

|  |  |  |
| --- | --- | --- |
| Apr 23-  May 6  2018 |  | May 10-  June 6  2016 |
| 14 | Yes | 10 |
| 65 | No | 70 |
| 20 | Not sure | 19 |
| 1 | No answer | 1 |
|  |  |  |

**NOTE: RESULTS SHOWN FOR KNOSCT22-KNOSCT34 INCLUDE 636 RESPONDENTS WHO ANSWERED THESE QUESTIONS APR 23-MAY 6, 2018 COMBINED WITH 1,901 RESPONDENTS WHO ANSWERED THESE QUESTIONS IN A PREVIOUS WAVE FIELDED MAY 10-JUNE 6, 2016.**

**ASK ALL:**

Here’s a different kind of question. (If you don’t know the answer, select “Not sure.” As far as you know…

KNOSCT22 Here’s a different kind of question. (If you don’t know the answer, select “Not sure.”) As far as you know...

Which is the better way to determine whether a new drug is effective in treating a disease? If a scientist has a group of 1,000 volunteers with the disease to study, should she… **[RANDOMIZE OPTIONS 1 AND 2]**

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 68 | Give the drug to half of them but not to the other half, and compare how many in each group get better *(Correct)* |
| 32 | NET Incorrect/Not sure/No answer |
| 14 | Give the drug to all of them and see how many get better |
| 18 | Not sure |
| <1 | No answer |
|  |  |

**[RANDOMIZE ITEMS KNOSCT23 TO KNOSCT34; KNOSCT22 ALWAYS FIRST]**

**ASK ALL:**

KNOSCT23Which gas is made as a consequence of burning fossil fuels? Is it… **[RANDOMIZE OPTIONS 1-4][[2]](#footnote-2)**

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 72 | Carbon dioxide *(Correct)* |
| 28 | NET Incorrect/Not sure/No answer |
| 4 | Hydrogen |
| 1 | Helium |
| 3 | Radon |
| 20 | Not sure |
| <1 | No answer |
|  |  |

**NO QUESTION KNOSCT24, KNOSCT25 AND KNOSCT26**

**ASK ALL:**

KNOSCT27 If the chances that an old bridge will collapse starts at 1% in week 1 and doubles each week (as shown below), what is the chance that the old bridge will collapse during week 7?

Chances the bridge will collapse is…

1% at Week 1

2% at Week 2

4% at Week 3

8% at Week 4

Enter the % chance that the bridge will collapse at Week 7 (if the bridge is still standing after Week 6)[[3]](#footnote-3)

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 62 | 64% *(Correct)* |
| 38 | NET Incorrect/Not sure/No answer |
| 20 | All other numeric responses |
| 17 | Not sure |
| 1 | No answer |
|  |  |

**ASK ALL:**

KNOSCT28 Which of the following conditions can be treated effectively by antibiotic medications?

*[Check all that apply]* **[RANDOMIZE ITEMS WITH ITEMS e AND f ALWAYS LAST]**

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 46 | Bacterial infection only *(Correct)* |
| 54 | NET Incorrect/Not sure/No answer |
|  |  |

**KNOSCT28 INDIVIDUAL ITEM RESPONSES**

|  |  |  |
| --- | --- | --- |
|  | Selected | Not selected  /No answer |
| a. Viral infections (such as a cold) | 23 | 77 |
| b. Fungal infections (such as athlete’s foot) | 28 | 72 |
| c. Bacterial infections (such as strep throat infections) | 83 | 17 |
| d. Allergic reactions to insect bites | 17 | 83 |
| e. None of these **[EXCLUSIVE PUNCH]** | 2 | 98 |
| f. Not sure **[EXCLUSIVE PUNCH]** | 9 | 91 |
|  |  |  |

**ASK ALL:**

KNOSCT29 If a scientist wants to determine if a new drug is effective at treating high blood pressure by giving half of a group of 1,000 volunteers a new medication and the other half a “sugar pill” she wants to rule out… **[RANDOMIZE OPTIONS 1-3]**

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 59 | A placebo effect *(Correct)* |
| 41 | NET Incorrect/Not sure/No answer |
| 4 | A third person effect |
| 16 | A false consensus effect |
| 20 | Not sure |
| 1 | No answer |
|  |  |

**NO QUESTION KNOSCT30**

**ASK ALL:**

KNOSCT31 Which of these terms refers to health benefits occurring when most people in a population get a vaccine? **[RANDOMIZE OPTIONS 1-3]**

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 34 | Herd immunity *(Correct)* |
| 66 | NET Incorrect/Not sure/No answer |
| 8 | Population control |
| 35 | Vaccination rate |
| 23 | Not sure |
| 1 | No answer |

**ASK ALL:**

KNOSCT32 Which of the following can be genetically modified?

*[Check all that apply]* **[RANDOMIZE ITEMS WITH ITEMS e AND f ALWAYS LAST]**

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 39 | Selected all *(Correct)* |
| 61 | NET Incorrect/Not sure/No answer |
|  |  |

**KNOSCT32 INDIVIDUAL ITEM RESPONSES**

|  |  |  |
| --- | --- | --- |
|  | Selected | Not selected  /No answer |
| a. An apple | 61 | 39 |
| b. Salmon | 53 | 47 |
| c. A mosquito | 46 | 54 |
| d. Corn | 70 | 30 |
| e. None of these **[EXCLUSIVE PUNCH]** | 2 | 98 |
| f. Not sure **[EXCLUSIVE PUNCH]** | 20 | 80 |
|  |  |  |

**ASK ALL:**

KNOSCT33 Humans and mice share the same genetic make-up by… **[RANDOMIZE ORDER LOW TO HIGH; HIGH TO LOW with NOT SURE ALWAYS LAST]**

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 34 | About 50% or more *(Correct)* |
| 66 | NET Incorrect/Not sure/No answer |
| 8 | Less than 10% |
| 14 | Between 11% and 49% |
| 44 | Not sure |
| 1 | No answer |
|  |  |

**ASK ALL:**

KNOSCT34 Which gas makes up most of the Earth's atmosphere? **[RANDOMIZE OPTIONS 1-4]**

|  |  |
| --- | --- |
| Apr 23-  May 6  2018 |  |
| 31 | Nitrogen *(Correct)* |
| 69 | NET Incorrect/Not sure/No answer |
| 9 | Hydrogen |
| 9 | Carbon dioxide |
| 35 | Oxygen |
| 15 | Not sure |
| 1 | No answer |
|  |  |

1. Previous Pew Research Center telephone surveys have asked about scientific consensus in different ways. A June 2015 survey asked, “From what you’ve heard or read, do scientists generally agree that humans evolved over time, or do they not generally agree about this?” 66% said “generally agree that humans have evolved over time,” 12% said “do not generally agree that humans have evolved over time,” 21% said they did not know and <1% gave no answer. In August 2014 and April/May 2009, 66% and 60%, respectively, said “yes, scientists generally agree that humans have evolved over time,” 29% and 28% said, “No, scientist do not generally agree that humans have evolved over time and 6% and 11% gave no answer. [↑](#footnote-ref-1)
2. In the Wave 17 May 2016 survey, the question had a minor wording difference: “What gas is made as a consequence of burning fossil fuels? Is it…” [↑](#footnote-ref-2)
3. The phrase “(if the bridge is still standing after Week 6)” was added for clarity in the Apr 23-May 6, 2018 wave. [↑](#footnote-ref-3)