

**Imagine a Day Without Water**

**Trivia Answer Sheet**

***General Water Knowledge***

|  |  |
| --- | --- |
| 1. Most of the world’s water is salty or otherwise undrinkable, another 2 percent is locked in ice caps and glaciers. What percent of the world’s water supply can be used as drinking water? | 1. 1 2. 5 3. 10 |
| 1. True or false. There is the same amount of water on Earth as there was when the planet was formed? | 1. True 2. False |
| 1. What are the three states of water during the water cycle? Liquid, vapor and \_\_\_\_\_\_. | 1. Plasma 2. Gel 3. Ice |

***Water is an Essential Resource***

|  |  |
| --- | --- |
| 1. The average person could live without food for nearly a month. But water is so essential to human life, a person can only survive about \_\_\_\_ week(s) without water. | * 1. One   2. Two   3. Three |
| 1. About how many gallons of water does the average American use per day? | 1. 20-30 2. 50-60 3. 80-100 |
| 1. What is the largest use of household water? | 1. Taking showers and baths 2. Flushing the toilet 3. Laundry |
| 1. What is the largest use of water in the US? | 1. Irrigation of agriculture 2. Consumption at homes and businesses 3. Generating electric power |

***Costs and Affordability of Drinking Water***

|  |  |
| --- | --- |
| 1. The average cost for water supplied to a home in the U.S. is about $2 for 1,000 gallons, which equals how many gallons for a penny? | 1. One 2. Three 3. Five |
| 1. What percent of American voters say what they pay for water service is affordable? | 1. 30 percent 2. 50 percent 3. 80 percent |
| 1. True of False: Three in five American voters would be willing to pay a modest increase in local water rates to fund improved service. | 1. True 2. False |

***Threats to our Water Supply and Infrastructure***

|  |  |
| --- | --- |
| 1. True or false: Just as water regulates the temperature of the human body, water regulates the Earth’s temperature. | 1. True 2. False |
| 1. What factors threaten our water supply? | 1. Aging infrastructure/systems 2. Climate Change 3. Growing cities 4. All of the above |
| 1. Name the two main nutrients that pollute our nation’s waterways as a result of agriculture. | 1. Nitrogen and phosphorus 2. Hydrogen and oxygen 3. Calcium and magnesium |
| 1. Global warming occurs when \_\_\_\_\_\_\_\_\_\_\_, along with other air pollutants and greenhouse gases collect in the atmosphere, absorb sunlight and solar radiation that have bounced off the earth’s surface, and heats the planet. | 1. Chlorine 2. Carbon dioxide 3. Carbon monoxide |

***State of our Water Infrastructure***

|  |  |
| --- | --- |
| 1. How often does a water main burst in the US? | 1. Every two minutes 2. Every two hours 3. Two times per day |
| 1. Every year \_\_\_\_ gallons of untreated wastewater and stormwater are released to water bodies without being treated. | 1. 900,000 2. 900 million 3. 900 billion |
| 1. Much of the nation’s underground pipes have a lifespan of \_\_\_ to \_\_\_ years and are due for replacement. | 1. 25 to 50 2. 50 to 75 3. 75 to 100 |

***National Water Investment Gap***

|  |  |
| --- | --- |
| 1. The US is currently funding what proportion of its water infrastructure needs? | 1. One-fourth 2. One-third 3. One-half |
| 1. From 1977 to 1944 federal contribution to water infrastructure capital spending has declined from 63 percent to what percent? | 1. 9 2. 29 3. 49 |
| 1. How much money needs to be invested in water infrastructure over the next 20 years to get to a state of good repair? | 1. $480 million 2. $4.8 billion 3. $4.8 trillion |
| 1. The federal government spends \_\_\_\_ times more resources upgrading and maintaining IT infrastructure of federal agencies than it does repairing water systems. | 1. 4 2. 14 3. 24 |

***Cost of National Inaction on Water***

|  |  |
| --- | --- |
| 1. A one-day national disruption in water service would cause a loss of how much in national GDP? | 1. $22.5 billion 2. $2.25 billion 3. $22.5 million |
| 1. What percent of Americans support a proactive program of water upgrades rather than waiting for systems to fail? | 1. 55 percent 2. 65 percent 3. 75 percent |
| 1. What percent of Americans support increasing federal investment to rebuild our water infrastructure? | 1. 62 percent 2. 88 percent 3. 94 percent |

***Economic Benefits***

|  |  |
| --- | --- |
| 1. How much money would be generated in economic activity by funding the annual water infrastructure investment need? | 1. $220 million 2. $2.2 billion 3. $220 billion |
| 1. Closing the national water infrastructure investment gap would create how many American jobs? | 1. 130,000 2. 1.3 million 3. 13 million |
| 1. Employment opportunities in water infrastructure sectors provide a wage that is what percent above the national average? | 1. 20 percent 2. 25 percent 3. 30 percent |
| 1. The number of jobs supported annually by funding the water infrastructure hap is greater than the employed workforce in how many states? | 1. 6 2. 16 3. 26 |