

Nature and Scope of Science and Technology - Notes, Quiz PDF

Q1. Which telescope was recently launched to examine early galaxies?

- (a) James Webb Space Telescope
- (b) Hubble Space Telescope
- (c) Kepler Space Telescope
- (d) Spitzer Space Telescope

Answer: (a) James Webb Space Telescope

Q2. What kind of molecule can be edited in living things using the CRISPR-Cas9 tool?

- (a) Carbohydrates
- (b) Proteins
- (c) Lipids
- (d) DNA

Answer: (d) DNA

Q3. Which kind of molecule is produced by cells after receiving instructions from the COVID-19 mRNA vaccine?

- (a) Viruses
- (b) Antibodies
- (c) Bacteria
- (d) DNA

Answer: (b) Antibodies

Q4. Which renewable energy source is dependent upon solar radiation for energy capture?

- (a) Geothermal
- (b) Wind

(c) Hydropower

(d) Solar

Answer: (d) Solar

Q5. What is the common cold's scientific name?

(a) Rhinitis

(b) Coryza

(c) Pharyngitis

(d) Sinusitis

Answer: (b) Coryza

Q6. What is the component that produces light in light bulbs?

(a) Tungsten

(b) Copper

(c) Aluminum

(d) Iron

Answer: (a) Tungsten

Q7. What is the spacecraft's name that is presently exploring Mars?

(a) Perseverance

(b) Curiosity

(c) Opportunity

(d) Spirit

Answer: (a) Perseverance

Q8. What is the name of the process by which the body transforms food into energy?

(a) Respiration

(b) Metabolism

(c) Photosynthesis

(d) Digestion

Answer: (b) Metabolism

Q9. Which device uses the flow of water to create electricity?

(a) Solar panel

(b) Wind turbine

(c) Hydroelectric dam

(d) Generator

Answer: (c) Hydroelectric dam

Q10. In January 2024, what will be the biggest supercomputer globally?

(a) Frontier

(b) Fugaku

(c) Summit

(d) Sierra

Answer: (a) Frontier

Q11. Cloning entails making a genetic duplicate of an already-existing?

(a) Organelle

(b) Cell

(c) Tissue

(d) Organ

Answer: (b) Cell

Q12. What is the name of the orbiting international space station?

(a) Voyager

(b) Galileo

(c) Cassini

(d) International Space Station

Answer: (d) International Space Station

