**10th Standard:**

1. Which of the following is a characteristic of all living organisms?

A) Ability to fly

B) Ability to reproduce

C) Ability to breathe underwater

D) Ability to walk

Answer: B) Ability to reproduce

2. Which of these elements is essential for respiration?

A) Oxygen

B) Nitrogen

C) Carbon dioxide

D) Hydrogen

Answer: A) Oxygen

3. What does the term "insulator" refer to?

A) A substance that allows heat to flow through it

B) A substance that resists the flow of heat or electricity

C) A substance that produces energy

D) A substance that absorbs sound

Answer: B) A substance that resists the flow of heat or electricity

4. Which part of the human eye controls the amount of light entering the eye?

A) Retina

B) Lens

C) Pupil

D) Cornea

Answer: C) Pupil

5. What type of rock forms from cooling and solidification of lava or magma?

A) Sedimentary

B) Metamorphic

C) Igneous

D) Fossilized

Answer: C) Igneous

6. What is the main function of white blood cells?

A) To carry oxygen

B) To protect against infection

C) To digest food

D) To clot blood

Answer: B) To protect against infection

7. Which of the following is a common characteristic of mammals?

A) They lay eggs

B) They are cold-blooded

C) They have a backbone

D) They have feathers

Answer: C) They have a backbone

8. What is the process by which a caterpillar becomes a butterfly?

A) Germination

B) Metamorphosis

C) Photosynthesis

D) Respiration

Answer: B) Metamorphosis

9. What is the chemical symbol for the element Gold?

A) Au

B) Ag

C) Pb

D) Fe

Answer: A) Au

10. What type of energy does a moving car possess?

A) Potential energy

B) Kinetic energy

C) Thermal energy

D) Chemical energy

Answer: B) Kinetic energy