

MCQ 1

Question: What celestial object is a planet generally required to orbit?

- A) A black hole
- B) A galaxy
- C) A star
- D) Another planet

Correct Answer: C

MCQ 2

Question: How many planets are officially recognized in our Solar System?

- A) 4
- B) 8
- C) 9
- D) 12

Correct Answer: B

MCQ 3

Question: Which of the following is NOT a terrestrial planet?

- A) Mercury
- B) Venus
- C) Jupiter
- D) Mars

Correct Answer: C

MCQ 4

Question: Which of the following is a giant planet?

- A) Earth

- B) Mars
- C) Saturn
- D) Venus

Correct Answer: C

MCQ 5

Question: What is the name of the prevailing theory of planet formation?

- A) Big Bang Theory
- B) Nebular hypothesis
- C) Planetary Accretion Model
- D) Stellar Evolution Theory

Correct Answer: B

MCQ 6

Question: What is the initial stage of a star's formation according to the nebular hypothesis?

- A) Brown dwarf
- B) Protostar
- C) Red giant
- D) White dwarf

Correct Answer: B

MCQ 7

Question: What surrounds a young protostar during planet formation?

- A) Asteroid belt
- B) Kuiper belt
- C) Oort cloud
- D) Protoplanetary disk

Correct Answer: D

MCQ 8

Question: What is the primary force driving the accumulation of material during planet formation?

- A) Electromagnetism
- B) Gravity
- C) Nuclear fusion
- D) Weak nuclear force

Correct Answer: B

MCQ 9

Question: What term describes the process of material gradually accumulating to form planets?

- A) Accretion
- B) Condensation
- C) Evaporation
- D) Sublimation

Correct Answer: A

MCQ 10

Question: What characteristic of a planet is described as being "rounded"?

- A) Its atmosphere
- B) Its composition
- C) Its orbit
- D) Its shape

Correct Answer: D