1. What is the central idea of the passage?

A. The sun has the most gravity in our solar system.
B. Gravity is an invisible force that holds the universe together.
C. Planets move very fast in space.
D. The moon was created by an asteroid collision.

2. How does the passage explain why we stay on Earth instead of floating into space?

A. The air we breathe keeps us grounded.
B. Earth's gravitational pull is stronger than our own.
C. The sun's heat pushes us down.
D. The moon's gravity holds us in place.

3. Why do planets orbit the sun instead of crashing into it?

A. The sun repels them with energy.
B. The planets are too far away to be affected by gravity.
C. Their speed and the sun's gravitational pull keep them in balance.
D. The moon's gravity pulls them away from the sun.

4. What detail best supports the idea that gravity depends on mass?

A. The sun contains 99% of the mass in the solar system and has the most gravity.
B. The moon has less gravity than the Earth but still affects ocean tides.
C. An astronaut weighs less on the moon than on Earth.
D. Black holes have the strongest gravity in space.

5. What detail best supports the idea that gravity weakens with distance?

A. The sun is far away from Earth, so its gravity affects us less than Earth's gravity does.

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B. The moon's gravity is strong enough to hold astronauts in place.
C. A black hole's gravity is so strong that nothing can escape.
D. Planets orbit the sun because of its gravitational pull.

6. What detail best supports the idea that gravity helped form the moon?

A. Earth's gravity pulled leftover debris together after a large asteroid collision.
B. The moon moves across the night sky in a predictable pattern.
C. The sun's gravity keeps the planets in orbit.
D. The moon's gravity affects ocean tides on Earth.

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