

## Gravity Definition Match

**Instructions:** Below is a list of gravity-related terms and a list of definitions. However, the definitions are scrambled — it's your job to **match each term to its correct definition** by writing the correct letter on the blank. To make things trickier, one extra definition is included that does **not** match any term.

1. Gravity →
2. Weight →
3. Mass →
4. Microgravity →
5. Free Fall →
6. Gravitational Pull →
7. Orbit →
8. Escape Velocity →
9. Tidal Forces →
10. Black Hole →

- A. The amount of matter in an object, which does not change based on location.
- B. The condition experienced when objects appear to be weightless, often in space.
- C. The curved path that an object follows around a planet, star, or moon.
- D. The constant speed needed to break free from a celestial body's gravitational attraction.
- E. The invisible force that pulls objects toward one another due to their mass.
- F. The effect of gravity from one object distorting or stretching another object, such as Earth's pull on ocean water.
- G. The total force of gravity acting on an object's mass.
- H. When gravity is the only force acting on an object, causing acceleration toward a planet.
- I. A region in space with gravity so intense that nothing, not even light, can escape.
- J. A measurement of how far an object can travel in space before slowing down.

