

Gravity Sorting Challenge Answer Key

Gravity Present (P):

- P – Apple falling to the ground.
- P – Feather falling on the Moon.
- P – Satellite in orbit.
- P – Soccer ball on the field (gravity holds it down).
- P – Comet's curved path toward the Sun.
- P – Book on a desk (gravity keeps it there).
- P – Balloon rising (gravity still acts, even if buoyancy opposes it).
- P – Meteor falling toward Earth.
- P – Ship leaving orbit (needs to overcome gravity).
- P – Light bending near a black hole (gravitational lensing).

Gravity Absent (A):

- A – Astronaut in microgravity (effectively weightless).
- A – Flashlight beam in space (light motion not caused by gravity here).
- A – Probe far from massive bodies (negligible gravity).
- A – Radio signal traveling between planets (not affected by gravity).