

Gravity Cause & Effect

Instructions: Below are two columns — **Causes** and **Effects** — all related to gravitational interactions in space and on Earth. The causes are labeled with numbers, and the effects are labeled with letters. Draw a line between each cause and its matching effect, or write the correct letter next to each cause. One **extra effect** is included that does not have a matching cause.

CAUSES

1. The Moon's gravity pulls on Earth's oceans.
2. Earth's gravity holds the atmosphere close to the planet.
3. The Sun's gravitational pull on Earth.
4. A black hole's intense gravitational field.
5. A meteor is caught in Earth's gravitational pull.
6. The gravitational attraction between Jupiter and its largest moons.
7. The International Space Station (ISS) is in constant free fall around Earth.

EFFECTS

- A. The meteor burns up as it enters Earth's atmosphere.
- B. The ISS stays in orbit without falling to Earth.
- C. Earth follows an elliptical path around the Sun.
- D. Ocean tides rise and fall each day.
- E. Light bends and cannot escape the black hole.
- F. Earth's atmosphere stays in place, allowing life to survive.
- G. Jupiter's moons follow predictable orbits around the planet.
- H. A planet completely disappears from view. (*Extra*)

