

Draw and Explain Gravity

Instructions:

1. Read each prompt below.
2. **Draw a scene** showing gravity at work in the situation described.
3. Under your drawing, **write a short explanation** (3–4 sentences) describing what is happening and how gravity plays a role.
4. Be sure to use correct science vocabulary (e.g., orbit, pull, acceleration, free fall).

Drawing Prompts

1. **Space Station Orbit** – Draw the International Space Station traveling around Earth. Show Earth, the station, and the path it follows.
Explain: Why doesn't the space station fall to the ground?
2. **Tidal Pull** – Draw Earth, the Moon, and the ocean showing high and low tides.
Explain: How does the Moon's gravity cause the tides?
3. **Meteor Entry** – Draw a meteor entering Earth's atmosphere. Show its path before and after gravity begins to pull it in.
Explain: How does gravity change the meteor's motion?
4. **Black Hole Bending Light** – Draw a black hole with a beam of light passing near it.
Explain: Why does the light's path curve instead of traveling straight?
5. **Ball on the Moon** – Draw an astronaut throwing a ball upward on the Moon.
Explain: How is the ball's motion different from throwing it on Earth?

