

Name \_\_\_\_\_



## Yes or No? Gravity in Action

**Instructions:** Imagine you are looking at each “picture” described below. Decide if gravity is acting in the scene. If it is, circle **YES**. If it is not (or is negligible), circle **NO**.

1. A soccer ball resting on a field with a player about to kick it. (YES / NO)
2. A flashlight beam shining across the empty vacuum of space. (YES / NO)
3. An astronaut floating inside the International Space Station. (YES / NO)
4. A meteor streaking toward Earth’s atmosphere. (YES / NO)
5. A pencil lying motionless on a desk. (YES / NO)
6. A radio wave traveling from Mars to Earth. (YES / NO)
7. A satellite orbiting around Jupiter. (YES / NO)
8. A space probe drifting far between galaxies, far from massive objects. (YES / NO)
9. A feather falling slowly on the Moon’s surface. (YES / NO)
10. A helium balloon floating upward after being released. (YES / NO)

### Bonus Challenge

Pick one “YES” and one “NO” answer. Write a short explanation (2–3 sentences each) for why you chose that answer.

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