

Answers to the Part 3 Review

1. Place these objects in order from smallest to largest: Galaxy, universe, planet, star.

Planet, star, galaxy, universe

Decide whether the statements are true or false. If the statement is false, write a correct statement.

2. The Earth's gravity pulls objects downwards, towards the South pole.
FALSE. Gravity pulls objects towards the centre.
3. There is no gravity in space.
FALSE. Gravity extends outwards into space from objects.
4. The more mass an object has, the stronger its force of gravity. **TRUE.**
5. A planet's gravity pulls objects towards the centre of that planet.. **TRUE.**
6. The force of gravity extends outwards from objects. **TRUE.**
7. Gravity sometimes pushes objects apart.
FALSE. Gravity only attracts objects together.
8. The force of gravity from an object stays the same no matter how far away you are from the object.
FALSE. The force of gravity gets weaker the further you go from an object.



