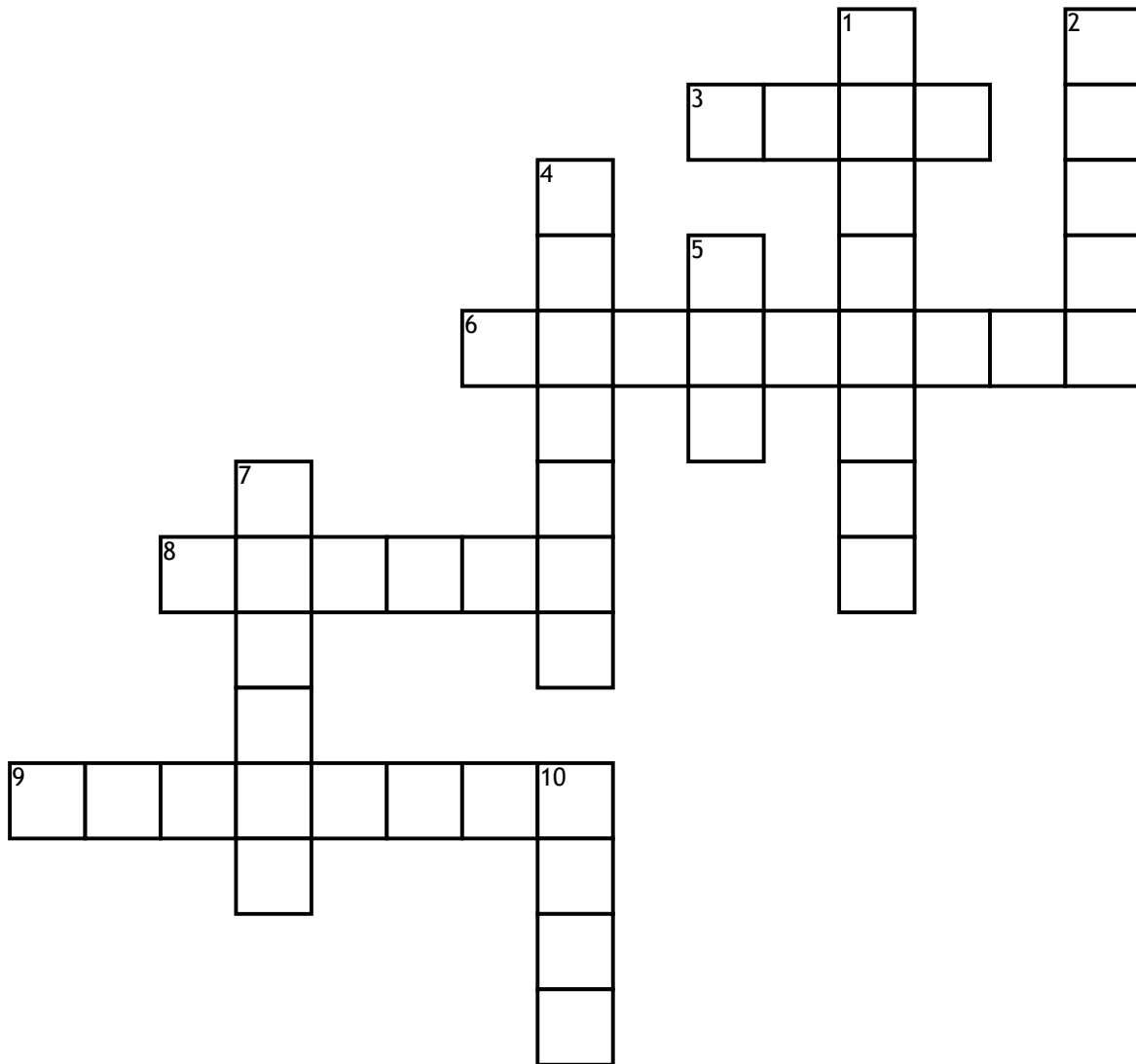


Mass - Weight - Gravity



Across

3. has a gravitational pull of 1/6 of Earth's

6. The components of Force are Direction and _____

8. = $M \times G$

9. The standard unit of mass used in Physics

Down

1. Mass measures the amount of matter in a given object, and is _____ in all.

2. Weight is a _____ that varies, depending on location within the universe

4. "9.81 N/kg on Earth

5. On the Earth, an apple has a weight of approximately _____.

7. Physicists standard unit of weight.

10. When someone "weighs" an object, the result is actually converted by the scales into the object's _____.