








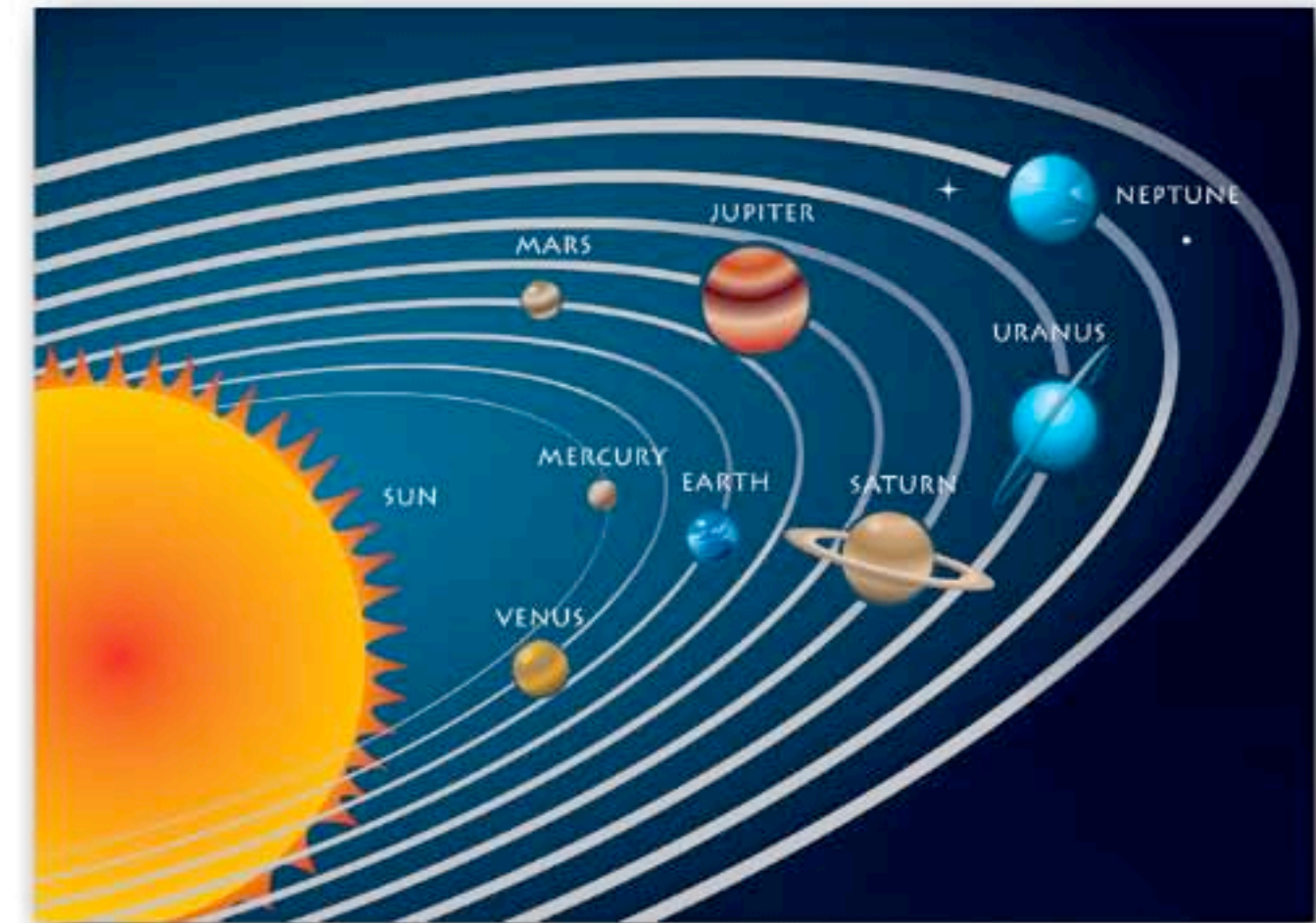
Which statements are True and which statements are False?

WELL DONE!

-  **TRUE / FALSE** **A)** On Earth, gravity always pulls in the direction we call "down."
-  **TRUE / FALSE** **B)** Gravity pulls, but it never pushes.
-  **TRUE / FALSE** **C)** Only planets have gravity.
-  **TRUE / FALSE** **D)** Only solid things are pulled by gravity.
-  **TRUE / FALSE** **E)** Gravity is the only force that can act without touching.



We said earlier that there are mysterious forces that can push or pull things without touching them. This is called force at a distance. The force at a distance you feel most often is the force of gravity.

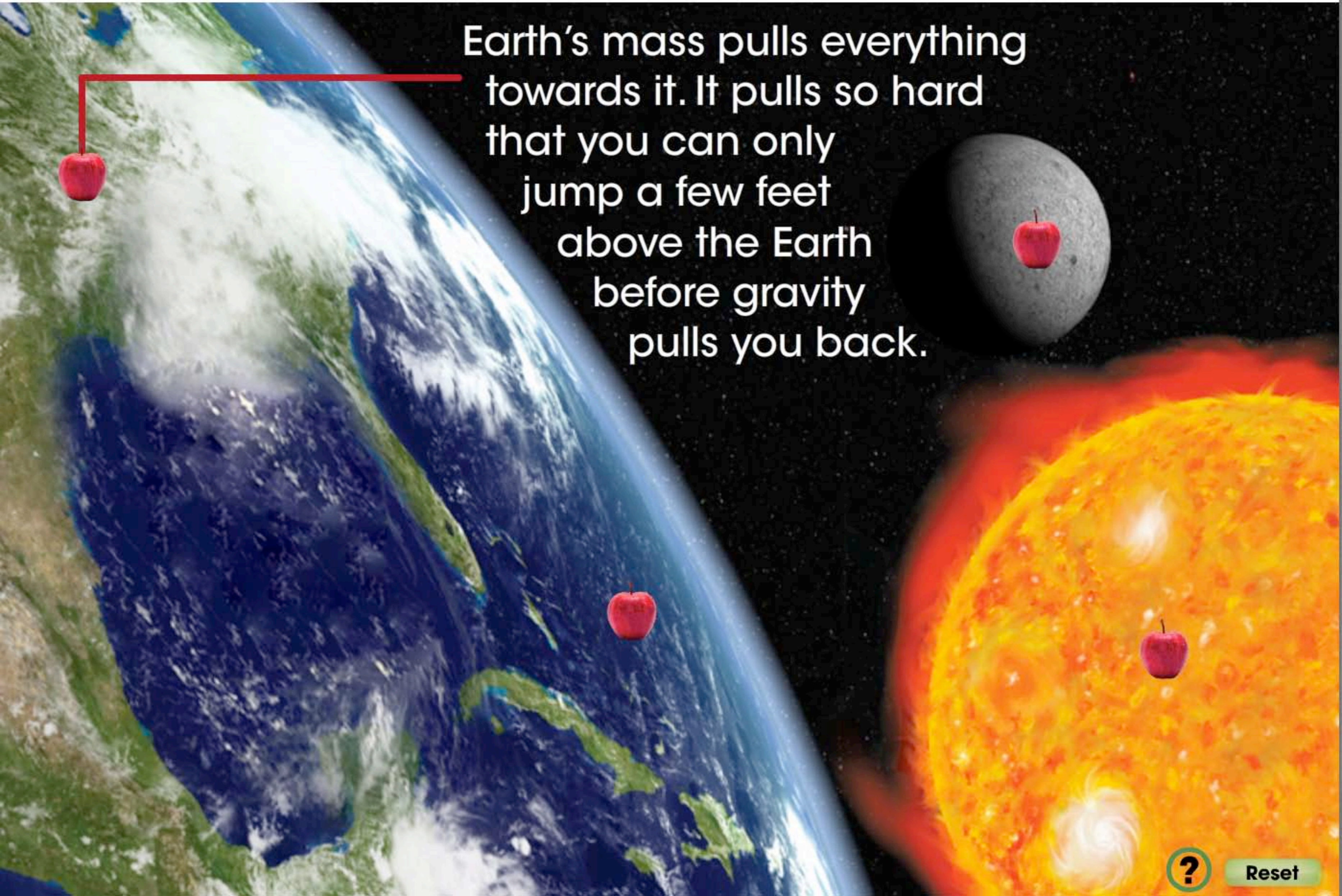


The force of **gravity** is an attraction between any two things made of matter. Every bit of matter in the world is attracted to every other bit of matter. You may remember that gravity only pulls; it never pushes.

Maybe you are wondering why you don't see everything being pulled together. Most things don't stick to you, and you can't feel yourself pulled toward other people. The reason is that

Gravity and our Solar System

Earth's mass pulls everything towards it. It pulls so hard that you can only jump a few feet above the Earth before gravity pulls you back.



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