

Answer these questions as you watch the video.

1. What makes the earth go around the sun? _____

2. **Does gravity push or pull?** _____

3. Does gravity affect the **air we breathe?** _____

4. _____ **Where does gravity pull towards?**

- A. Up
- B. Down
- C. Sideways
- D. All directions



5. **When the apple and the bowling ball are dropped together:** _____

- a.) they both hit the ground at the same time
- b.) the apple hit the ground first
- c.) the bowling ball hit the ground first

6. Who dropped **a feather and a hammer** together to see if gravity pulled on them the same amount? _____

7. **What happened** to the feather and hammer when dropped? _____

8. We use a _____ to measure our weight.

9. _____ **As gravity pulls down on us the springs in the scale get** _____.

- A. Pulled Apart
- B. Squeezed

10. **True or False** The more the scale's springs get squeezed, the more you weigh.

11. **Weight** comes from **our mass, Earth's mass** and _____.

12. _____ All the **planets in orbit around the** _____ are held in place by gravity.

- A. Earth
- B. Moon
- C. Sun

13. _____ **Why don't the planets get pulled into the sun?**

- A. They are in motion
- B. They have anti – gravity in them
- C. They do – just slowly

14. Our Earth is going around the Sun at about _____ **kilometers per hour.**



15. Jupiter is larger or smaller than the Earth

16. Jupiter has more or less gravity than the Earth

17. The moon is smaller, so it has _____ gravity.

18. The **pull of gravity makes the earth** and all planets into this **shape** _____.

19. With gravity things fall _____.

20. **Quote from Skateboarding section:**

One thing that always remains constant is gravity.

Gravity will always be the _____ no matter where you go or how you do it.

(This is true anywhere on Earth.)

21. Gravity pulls us down toward the _____ of the earth.

22. _____ **Name the scientist known for dropping two bowling balls of different weights off the Leaning Tower of Pisa.**

- A. Sir Isaac Newton
- B. Galileo



After the movie:

23. Write a one sentence definition of what gravity is.
