**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_ Hour \_\_\_\_\_**

**Gravity and Orbits Stations : Bill Nye (3)**

**Content Objective:** Listen to Bill Nye’s science words of wisdom to understand gravity

**Writinig Language Objective:** Listen and write gravity concepts after listening to Bill Nye

**Directions: Check mark your steps as you complete them**

1. Get the chromebook you are assigned and headphones if you have them\_\_\_\_

2. Go to Ms. Murphy’s blog and click on the Bill Nye Gravity video \_\_\_\_

<https://www.youtube.com/watch?v=VnL3mza4Ho4>

3. Watch the video and answer the Bill Nye Video Questions\_\_\_\_

4. Turn in the video questions\_\_\_\_\_

5. Check in with Ms. Murphy and have her sign your Bill Nye Video Questions.\_\_\_\_

**Bill Nye Gravity**

1. Every piece of matter in the universe has gravity and gravity always \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

2. The pull is always towards the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the planet.

3. No matter where you are on the surface of the Earth \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the same way.

4. The bowling ball and the apple hit the ground at the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ time.

5. When the astronaut on the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ dropped the feather and the hammer they hit the ground at the same time.

6. Gravity holds all the planets in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

7. When you step on a scale the Earth’s gravity \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

8. The planets don’t get pulled all the way into the Sun because they are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

9. There is a balance between the force of gravity and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the planets.

10. If there were no gravity all the planets would go \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into space.

11. When you are standing on the Earth you have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ because you and the Earth

both have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and are attracted to each other.

12. Other planets in the solar system have a lot of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and so they also have gravity.

13. Jupiter is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ than the Earth so it has \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ gravity.

14. The Moon is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ than the Earth so it has \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ gravity.

15. Planets are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ because of gravity.

16. Gravity makes something as small as an atom and as large as a planet \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Answer the following questions.**

Do you have any station work to make up?

Do you have any missing or incomplete assignments?

What are you going to do from the “What to do when you’re done list?”

Ms. Murphy approval \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\*\*\*Extra Credit\*\*\* Complete one of the labs from the Bill Nye Video. Write out your lab outline, collect data, and create an analysis discussing your findings.