Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Bill Nye: Outer Space Video Questions**

Answer Bank

ten sand 300,000 40,000 65 540 9.5 constellation Orion Great Red Spot larger light year Follow the ends of the cup of the Big Dipper in an imaginary line to find Polaris

4.3 light years light Polaris stars

1. \_\_\_\_\_\_\_ is the fastest thing in the universe. It travels \_\_\_\_\_\_\_\_\_\_\_ km/sec.

2. The closest star to our sun is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ away.

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the distance that light travels in a year.

4. \_\_\_\_\_\_\_\_\_\_ trillion km = 1 light year

5. True or False: All the stars you can see at night are still in existence.

6. The Great \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ on Jupiter is a hurricane which is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_than the Earth.

7. True or False: If you spent your whole life travelling, you could reach the nearest star to Earth.

8. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is a group of stars that has been given a name to help us find certain

stars or recognize them. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is the “hunter”.

9. The North Star is named \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and is located at the end of the handle of the Little Dipper.

10. Where is Polaris in reference to the Big Dipper?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11. \_\_\_\_\_\_\_\_\_\_ tonnes of meteorites hits the Earth every day. Most are the size of a grain of \_\_\_\_\_.

12. The circumference of the earth (the distance around the Earth) is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_km.

13. Humans are \_\_\_\_\_\_\_\_\_\_\_\_ % water.

14. We are made of the same stuff that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are made of.

15. By the time the show is over light coming out of the TV has travelled \_\_\_\_\_\_\_\_\_million km.

Bill Nye: Outer Space KEY

1. light. 300,000 km/second.

2. light years

3. light year

4. 9.5 trillion kilometers.

5. False

6. Great Red Spot. larger.

7. False

8. Constellation. Orion.

9. Polaris.

10. Follow the ends of the cup of the Big Dipper in an imaginary line to find Polaris.

11. 10 tons. Sand.

12. 40,000 km

13. Humans are 65% water.

14. stars

15. 540 million km