

Name: \_\_\_\_\_

Science 7  
Ms. Buckley

## Bill Nye Video Questions Atoms and Molecules

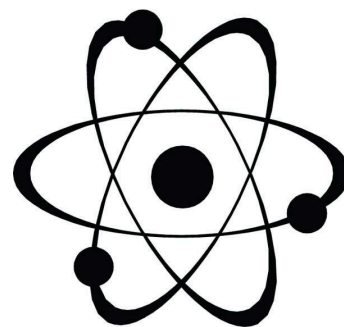
1. What are the “tiny pieces” Bill Nye is talking about that make up everything around us called? \_\_\_\_\_
2. \_\_\_\_\_ are too small to see and cannot be broken down any further.
3. What are the main parts of an atom?  
(Word Bank: electrons, protons, neutrons, nucleus)
  - a. \_\_\_\_\_ - middle of an atom
  - b. \_\_\_\_\_ - positive electrical charge, in the nucleus
  - c. \_\_\_\_\_ - no charge (neutral), in the nucleus
  - d. \_\_\_\_\_ - rotate around the nucleus

4. Atoms are the basic building blocks of all

\_\_\_\_\_.

5. All matter is made of \_\_\_\_\_ and

\_\_\_\_\_.



6. How can scientists tell that water molecules ( $H_2O$ ) is made of both hydrogen and oxygen?

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**7. What is the difference between two different materials (elements)?**

The \_\_\_\_\_ of \_\_\_\_\_ in the \_\_\_\_\_

**8. What have scientists created to organize all of the different materials/elements?**

**9. What is the number in the top left hand corner of each element called? \_\_\_\_\_**

**10. What does this number stand for?**

The number of \_\_\_\_\_ in the \_\_\_\_\_

**11. When you combine elements together you get an atom / molecule (circle the correct answer)**

**12. Everything in the universe is matter or \_\_\_\_\_**

**13. \_\_\_\_\_ makes life “go”. It makes chemicals of living things and has a branch of chemistry named after it.**

