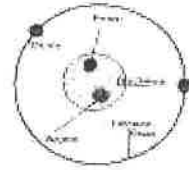


Name _____ Period _____ Date _____



Bill Nye: The Science Guy – Atoms



1. Matter is anything that has _____ and _____.
(mass or weight) (volume or area)
2. The center of the atom is called the _____.
3. The _____ of the atom contains two subatomic particles, the _____ which are positively (+) charged and the _____ which are neutral (no charge).
4. The negatively (-) charged subatomic particles that orbit the nucleus are called _____.
5. The flow of electrons from one atom to another is called _____.
- The atom is mostly _____ space.
7. How many atoms could fit on the top of a pin?
 - A. 1,000
 - B. 10,000
 - C. 100,000
 - D. 1,000,000
8. All matter is made of _____ and _____.
9. _____ and _____ gases are produced during the electrolysis of water.
10. Breaking apart water using electrolysis is a _____ change.
(physical or chemical)
11. The number of _____ in the _____ gives atoms of elements unique chemical and physical properties.

12. Each element has a unique _____ and one or two-letter abbreviation called the _____ symbol.
13. $C_3H_5N_3O_9$ is the chemical formula for _____ which is used to make dynamite?
14. Elements are organized in the _____ of _____.
15. How many elements occur naturally in nature?
- A. 68
 - B. 81
 - C. 92
 - D. 113
16. Quarks are located inside
- A. Electrons
 - B. Protons
 - C. Neutrons
 - D. Both B and C
17. Everything in the universe is either _____ or _____.
18. _____ are the building blocks of all matter.
19. Which element is the foundation of organic chemistry and makes life possible?
- A. Hydrogen (H)
 - B. Oxygen (O)
 - C. Carbon (C)
 - D. Nitrogen (N)
20. What is the name of the song at the end of the video?
- _____