

# Physical Science

## Chapter 17 Reading Quiz

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

1. What is the chemical symbol for mercury? \_\_\_\_\_
2. The nucleus of an atom is surrounded by a/an \_\_\_\_\_ that contains electrons.
3. Scientists believe that it takes three \_\_\_\_\_ held together with the strong force to produce a proton.
4. Where is the tevatron located? \_\_\_\_\_
5. Scientists use \_\_\_\_\_ to represent things that are difficult to visualize.
6. How many atoms thick is a sheet of aluminum foil? \_\_\_\_\_
7. Who was the first scientist to offer proof of atoms? \_\_\_\_\_
8. Who proposed that electrons travel in fixed orbits around the nucleus?  
\_\_\_\_\_
9. According to the current model of atomic structure, \_\_\_\_\_ do not follow fixed orbits but tend to occur more frequently in certain areas around the nucleus.
10. The number of \_\_\_\_\_ tells you what type of atom you have.
11. The mass of an electron is \_\_\_\_\_ grams.
12. The sum of the protons plus neutrons is called the \_\_\_\_\_.
13. Carbon-12 makes up \_\_\_\_\_ percent of the carbon found in living organisms.
14. What do you call atoms of the same type that have different numbers of neutrons?  
\_\_\_\_\_
15. What did the question marks represent in Mendeleev's chart? \_\_\_\_\_
16. When was germanium discovered? \_\_\_\_\_
17. The current periodic table uses \_\_\_\_\_ arrangement of the elements.
18. What is the state of matter for bromine at room temperature? \_\_\_\_\_
19. Group 1 elements have \_\_\_\_\_ electron(s) in their outer energy level.
20. \_\_\_\_\_ has eight electrons in its outer energy level, making it unreactive.
21. Rows of elements are called \_\_\_\_\_.
22. Most \_\_\_\_\_ are gases, brittle, and poor conductors.
23. How many elements are considered to be metalloids? \_\_\_\_\_
24. When stars go \_\_\_\_\_ a mixture of elements are flung into the universe.
25. What was the period of time known as in Greenland, in the 1300's?  
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