

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?
