

Name _____

The Periodic Table Mystery: Elements Known and Yet to Be Discovered

Multiple Choice Questions

1. How many known elements are there on the periodic table?
 - a) 50
 - b) 92
 - c) 118
 - d) 150

2. Are there more elements beyond oganesson waiting to be discovered?
 - a) No, all elements have already been discovered.
 - b) Yes, scientists believe there could be more superheavy elements.
 - c) No, oganesson is the heaviest element possible.
 - d) Yes, but they can only be found in outer space.

3. How do scientists predict the properties of undiscovered superheavy elements?
 - a) By guessing randomly
 - b) Using the Periodic Law and studying the periodic table's patterns
 - c) Using a crystal ball
 - d) Consulting fortune tellers

4. Why is discovering new elements challenging?
 - a) Because they are very common
 - b) Because they are highly stable
 - c) Because they are highly unstable and decay quickly
 - d) Because they are easy to find in nature

5. What role does the scientific community play in the discovery of new elements?
 - a) None at all
 - b) They work individually and don't collaborate with others
 - c) International teams of scientists collaborate to design experiments and analyze data.
 - d) They only share their findings after the discovery is complete.

