

Reinforcement *continued*

Answer the following questions using the periodic table on the previous page.

14. The alkaline-earth metals react similarly because they all have the same number of electrons in their outer energy level. Which group contains the alkaline-earth metals?

15. How many electrons are in the outer energy level of the atoms of alkaline-earth metals?

16. Hydrogen is in a different color than the rest of the elements in Group 1. Give an example of how hydrogen's characteristics set it apart from other Group 1 elements.

17. What is the name of the group of unreactive nonmetals that includes argon?

18. Except for the metalloids, what do all of the elements on the right side of the zigzag line have in common?

Imagine you are a scientist who has just discovered a new element. The element has an atomic number of 113, and it has three electrons in the outer energy level of each atom.

19. Where would you place this new element in the periodic table?

20. Which element would have properties most similar to the new element?

21. What name would you suggest for this new element?
