

Name _____

Groups of the Periodic Table

_____ 1. Which of these elements is the best conductor of electricity?

1. S 2. N 3. Br 4. Ni

_____ 2. Which element is malleable and conducts electricity?

1. iron 2. iodine 3. sulfur 4. phosphorus

_____ 3. The elements in the Periodic Table are arranged in order of increasing:

1. atomic number 2. atomic radius 3. atomic mass number 4. neutron number

_____ 4. Which element is classified as a noble gas?

1. hydrogen 2. oxygen 3. neon 4. nitrogen

_____ 5. Which pair of symbols represents a metalloid and a noble gas?

1. Si and Bi 2. As and Ar 3. Ge and Te 4. Ne and Xe

_____ 6. Germanium is classified as a

1. metal 2. metalloid 3. non-metal 4. noble gas

_____ 7. Which element is a metal that is in the liquid phase?

1. bromine 2. cobalt 3. hydrogen 4. mercury

_____ 8. The element in Period 4 and Group 1 of the Periodic Table would be classified as a:

1. alkali metal 2. alkaline earth 3. halogen 4. noble gas

_____ 9. The element in Period 4 and Group 7 of the Periodic Table would be classified as a:

1. transition metals 2. alkali metals 3. halogens 4. noble gases

_____ 10. Which group of solids only is extremely reactive in water?

1. noble gases 2. transition metals 3. alkali metals 4. halogens

_____ 11. What is the name given to the elements in group 2 of the periodic table?

1. alkali metals 2. alkaline earth metals 3. halogens 4. noble gases

_____ 12. What elements are used in compounds to produce substances that are bright and colorful?

1. alkali metals 2. alkaline earth metals 3. transition metals 4. noble gases

_____ 13. The group of elements that are stable and inert are called:

1. transition metals 2. alkali metals 3. halogens 4. noble gases

_____ 14. The group of elements that contain two solids, a liquid and two gases:

1. transition metals 2. alkali metals 3. halogens 4. noble gases

_____ 15. What is the name given to the non-metal group of elements on the Periodic Table that are extremely reactive?

1. alkali metals 2. alkaline earth metals 3. halogens 4. noble gases

_____ 16. The MOST reactive metal element is:

1. hydrogen 2. neon 3. francium 4. oxygen

_____ 17. The MOST reactive non-metal element is:

1. hydrogen 2. fluorine 3. helium 4. oxygen