Year 9 Science: The periodic table: groups, periods, metals and non-metals

Name: _____ Date: _____

Try these without your notes first, then check the answer key.

Practice

1. Element 17 is in period 3. Name it, give its group, and say whether it is a metal or non-metal.

2. Calcium is in group 2. Would a calcium wire conduct electricity? Give a reason.

3. Why is argon, not air, pumped around the metal while welding?

4. Melting points in group 17 rise down the group: chlorine −101 °C, bromine −7 °C, iodine 114 °C. Predict the state of astatine, the next halogen, at room temperature.

5. A grey element is shiny, conducts, and fizzes violently in water. Which group is it most likely in?

Fix the mistake

6. Correct this statement: "Groups are the rows and periods are the columns."

7. Correct this statement: "The modern periodic table is in order of atomic mass."

8. Correct this statement: "Hydrogen sits at the top of group 1, so it is a metal."

9. Correct this statement: "CO is the symbol for cobalt."