Honors Chemistry Review

Please answer the following questions clearly on your own paper and turn in for a grade.

1. Identify the following as Physical or Chemical Properties

 A) The Melting point of Gold is 1064C

 B) The Density of iron is 7.874 g/cm3

 C) Salt dissolves in water.

 D) Potassium in water leads to an increase in temperature.

 E) Silver does not react with water.

2. How many significant figures in the following numbers?

 A) 10500

 B) 0.07100

 C) 125.900

 D) 145.00

3. Solve the following and give the answer in correct significant figures.

 A) 45.00 x 0.170=

 B) 9500 x 12.150 / 0.17=

 C) 4.125 x10-17 x 8.0x10-45=

 D) 6.00 x1025 / 2.1555x10-47=

 E) 7.500x10-41 / 7.89901 x10-61=

 F) 450 + 45.6=

 G) 1700 + 71=

 H) 0.4507 + 3.9=

4. Write the symbols of the following elements.

 A) Gold

 B) Copper

 C) Sodium

 D) Lead

5. What is the difference between a compound and an element?

6. Are the following Homogeneous or Heterogeneous?

 A) Salt solution

 B) Air

 C) Oil and vinegar solution

 D) Cola drink

7. What is the difference between a mixture and a compound?

8. A student turns in a lab report with the following incorrect data. Write down what they should have done instead.

 A) Data written in pencil.

 B) Lab Report is written in front and back of paper.

 C). Mass of object is recorded as a 4.55

 D) Student identifies the smell of a chemical as Chemical Property.

 E) Student writes all his observations in a paragraph form.

 F) Student writes report in pink color ink.

 G) Student turns in one report for everyone in the group.

 H) Student uses white out to correct a mistake in a lab.