

The Elements 2 : W.S.-40

- 1)a) What two elements are found in water?
- b) What two elements make up the air that we breath?

- 2) Give the total number of elements.

- 3) Why is gold valuable?

- 4) Give the densities (in grams/cm³) for the following metals;
 - a) gold
 - b) mercury
 - c) magnesium
 - d) aluminum
 - e) Iron
 - f) silver

- 5)a) Name two elements that are named after planets.
- b) Name two elements that are named after countries.
- c) Name two elements that are named after scientists.

- 6) How many columns are there?

- 7)a) What is an alloy?
- b) Name the elements found in these alloys:
 - i) steel
 - ii) stainless steel
 - iii) solder

- 8) Steel will rust. Name two metals that are used to coat it to prevent rusting.

- 9) Nitrogen, potassium, and phosphorus are all found in _____ .

10) Name the element (give symbol) that is found in each of the following:

- | | | |
|--------------|-------------------|------------------|
| a) airplanes | b) car batteries | c) thermometers |
| d) old coins | e) computer chips | f) graphite |
| g) pipes | h) catalyst | i) disinfectants |
| j) blimps | k) bones | l) laser |

Answers: 1)a) H, O, b) N, O, 2) about 106, 3) It is rare., 4)a) 19.3, b) 13.5, c) 1.7, d) 2.7, e) 7.9, f) 10.5, 5)a) mercury, plutonium, uranium,....,b) americium, germanium, francium,...., c) Einsteinium, Mendelevium , 6) 18, 7)a) It is a mixture (solution) of two or more metals., b)i) Fe + Ni, ii) Fe + Ni + Cr, iii) Pb + Sn, 8) Zn, Cr, 9) fertilizers, 10)a) Al, b) Pb, c) Hg, d) Ag, Au, Ni, e) Si, Ge, f) C, g) Cu, h) Pt, i) Cl, Br, I, j) He, k) Ca, l) He, Ne.