**Unit 1 – Review**

1) The same substance always has the same density.

2) As pressure increases, density increases.

3) As temperature increases, density decreases.

4) Most changes in the environment are cyclic (repetitive).

5) Water is densest at 4°C, when it is a liquid.

6) The true shape of the earth is an OBLATE SPHEROID.

7) The best model of the earth’s shape is a sphere.

8) Kinetic energy: energy of motion, increases with velocity.

9) Potential energy: stored or at rest, increases with height.

10) To determine the earth’s circumference, the altitude of the sun at TWO locations is needed.

**Unit 2 – Maps**

11) The altitude of Polaris equals your latitude.

12) Latitude lines go east-west. (0-90)

13) Latitude lines are parallel.

14) Longitude lines go north-south. (0-180)

15) Longitude is based on observations of the sun. (time-zones)

16) The closer isolines (contour-isobar-isotherm) are the steeper the slope or gradient.

**Unit 3 – Rocks and Minerals**

17) Sedimentary rocks – strata – flat layers, may contain fossils

18) Igneous rocks: cool fast – small crystals
    cool slow – large crystals

19) Metamorphic rocks: banding-distorted structure.

20) Mineral properties depend on internal arrangement of atoms.

21) Silicon – oxygen tetrahedron (SiO₄): basic unit