**Geologic Time Unit Test Review Sheet**

1. Assess the significance of age dating, the fossil record and the Geologic Time Scale:

a) Distinguish between relative and absolute age

b) Relate principles of relative age dating and absolute dating to the interpretation and correlation of geological sequences.

i) Describe The following principles: unifomitarianism, original horizontality, superposition, cross-cutting, inclusions, and unconformities.

ii) Be able to use the principles mentioned above to determine the relative age of a cross section of earth. Also, be able to justify your order using the principles outlined above

iii) Describe why fossils can be used to help with relative dating. Define and identify index fossils and index strata. Outline the characteristics necessary for a fossil to be considered an index fossil.

c) Outline the process of absolute dating by means of radioactive elements and solve simple problems related to absolute time.

 i) Describe radioactive decay and half life

 ii) Solve simple half life problems

d) Explain the process of fossil formation.

e) Describe the significance of fossils in interpreting past events.

f) Describe the Earth’s geological history in terms of the development of life.

g) Describe major events in the Earth’s history using the Geological Time Scale.