

5. What is the importance of the "Burgess Shale" to Paleontologists?

It provides an accurate fossil record of life on earth

6. What is the limiting factor, on land the size to which arthropods can grow?

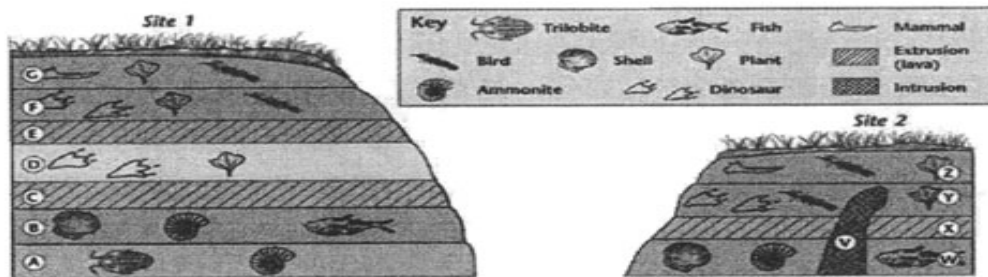
Their exoskeletons are too heavy

7. For the picture shown below, what is the THIRD youngest of layers in site 2?

Y

8. What are the two types of environments which the fossils must have come from in site 1?

Water & Land



9. Which elemental decay process is best used to date dinosaurs?

Radioactive dating: Potassium-40

10. What is an "asymptote?" A line which approaches zero but never reaches it

11. What is meant by the term "daughter element?" The element a radioactive element decays into

12. Which part of absolute dating is the most important, which is used to calibrate all the others?

Dendrochronology