

Name: _____ Period: _____ Date: _____

“first life: Conquest”

featuring Sir David Attenborough

Directions: While watching, respond to the following questions. Use complete sentences only where necessary.

- 1) Where are the Burgess Shales located, and what is so special about them?

- 2) What error was made with the first fossilized specimen of *Hallucigenia*?

- 3) What physical traits demonstrate that *Anomalocaris* was one of the first major predators of the Cambrian period?

- 4) Why do scientists think that the presence of new predators might cause other species to evolve at a faster pace?

- 5) What group of arthropods became some of the most advanced life on Earth for the 250 million years following the Cambrian explosion?

- 6) Besides exoskeletons, what key physical adaptation helped these particular arthropods to become so successful?

- 7) What were *Eurypterids* and how big did they get?

- 8) What physical adaptation does the velvet worm (*Peripatus*) have that its ancient aquatic ancestor, *Aysheaia*, did not have?

- 9) What kind of organism made the tracks in the sandy sediment of the Carboniferous swamp?

- 10) What is the significance of the primitive chordate known as *Pikaia*?