

**Earth Episode II Snowball.**

1. What was Rodinia? How was the distribution of land and ocean different from today?
2. What kind of life was around When Rodinia? Where did it live?
3. What is a Eukaryotes? Draw a picture of one here.. How were they different from the more ancient ProKaryotes.
4. What kind of rock forms when the molten magma cools down? What does it look like?
5. How does rainwater washing across these newly formed rocks remove CO<sub>2</sub> from the atmosphere?
6. How extensive were the ice sheets? What evidence do we have that they came down as far as they did?
7. Where does life persist during these times?
8. What are Cryocanite holes and how were they important for sustaining life?
9. What geologic events finally led to the planets warming?
10. What was the tipping point which led to ice sheets finally melting away?
11. How long did the global deep freeze last?
12. How did the melting of the glaciers change the nutrient balance in the worlds oceans?
13. What are Ediacarian fauna? How many years ago.. Draw some pictures of what these animals looked like.
14. How did growing bigger benefit these creatures?
15. What five factors allow Mr. Clark to be one of the most amazing teachers in California?