

6-8

NAME: \_\_\_\_\_

PER: \_\_\_\_\_

**"Chasing Ice" Video Guide**

1. How many years of the last 20 have been the hottest on record?
  
  
  
  
  
  
  
  
  
  
2. What subject did Balog first study? Why did he give it up?
  
  
  
  
  
  
  
  
  
  
3. How long did he spend researching climate change to figure out what pictures to take?
  
  
  
  
  
  
  
  
  
  
4. How often did he plan on going back to shoot a picture from the same spot?
  
  
  
  
  
  
  
  
  
  
5. Where is Dr. Tad Pfeffer from?
  
  
  
  
  
  
  
  
  
  
6. Where did they put the first cameras?
  
  
  
  
  
  
  
  
  
  
7. What is calving?
  
  
  
  
  
  
  
  
  
  
8. How long was the peninsula of the Store Glacier?
  
  
  
  
  
  
  
  
  
  
9. How many cameras did they install around the world?

10. Why was Balog skeptical of Climate Change?

11. What information can they get from bubbles in ice cores?

12. What is the current amount of CO<sub>2</sub> in our atmosphere?

13. What is a mass extinction event?

14. What was the problem with the cameras?

15. How far has the glacier retreated horizontally and vertically?

16. What is the melt zone?

17a. Where does the cryoconite come from?

b. Why is it bad?

18. What is the anticipated rise of sea level?

19. What is a Moulin?

20a. Where did they go to get the biggest calving events?

b. Why is it famous?

c. How wide was it?

21. Why do glaciers matter?

22a. How many times did they have to turn the camera for the Columbia Glacier in Alaska?

b. How far did it retreat in 3 years?

23a. Out of the 1400 glaciers in the Yukon Territory, how many got bigger?

b. How many disappeared?

24. How far would pieces of ice come out of the ocean?

25a. How long did the calving event take?

b. How big was it?

26. How long did it take for the glacier to retreat that same distance from 1902-2001?

27. What is the ecological process after a glacier retreats and bare land is exposed?