

## **KSPS: “Sculpted by Floods” – Glacial Lake Missoula**

**Answers to questions need not be in complete sentences, except for the last.**

- 1) How long ago did the flooding occur, approximately?
- 2) Where did the water first originate? How much water did the ancient lake hold?
- 3) What path did the flooding take once it burst through the ice dam a Glacial Lake Missoula? Approximately how many miles did the flood cover? How long did it take the water to reach the Pacific Ocean?
- 4) What did the floods leave in their wake (think: Portland’s landscape, Willamette Valley, etc.)?
- 5) How many times do geologists now think the flooding of Glacial Lake Missoula may have occurred?
- 6) What type of rock existed in central Washington that was so easy to erode? Why was it easy to erode?
- 7) What did the floods leave behind? What is significant about central Washington’s landscape? Why is it called the “scablands” (“wounded lands”)?
- 8) What role did J. Harlen Bretz play in uncovering the truth of the floods?
- 9) What is **uniformitarianism**? What is **catastrophism**?
- 10) Why did so many scientists resist Bretz’s theory?
- 11) What role did Joseph Pardee play in uncovering the truth of the floods?
- 12) Explain Richard Waitt’s “Multiple Event Theory.”
- 13) What role do “Turbidity currents play in the flood?
- 14) What benefits came to the area as a result of this catastrophic event?
- 15) Summarize in your own words what legacy this event had on the Pacific Northwest. Minimum 4 sentences.