**JET STREAM WEBQUEST**

1. Go to <http://www.srh.noaa.gov/jetstream/index.htm>
2. What is the jet stream?
3. On the left, click The Atmosphere.
4. What four gasses make up 99% of the atmosphere?
5. Click the back button.
6. On the left, click The Ocean.
7. Give 3 reasons the ocean must be considered when studying climate.
8. Click the back button.
9. On the left, click Global Weather, then click Jet Stream.
10. Why do jet stream winds blow west to east?
11. What are the two types of jet streams?
12. What is meant by the phrase that a jet stream “ follows the sun”?
13. What does the line of the jet stream on maps, used by meteorologists, represent?
14. Jet streams follow the sun in that as the sun's elevation \_\_\_\_\_\_\_\_\_\_\_\_\_ (increases, decreases) each day in the spring, the jet streams shifts by moving \_\_\_\_\_\_\_\_\_\_\_\_\_\_ (north, south) during the Northern Hemisphere spring.

(a) increases / north

(b) decreases / south

(c) decreases / north

(d) increases / south

15. Go to <http://www.intellicast.com/National/Wind/JetStream.aspx>

16. What are the wind speeds of the jet stream that is currently over Lagrange?

17. Is there a hot air mass or cold air mass over Lagrange?

18. The jet stream is mainly found in what part of the atmosphere?

19. Approximately, how many kilometers above the Earth’s surface, is the jet stream located?

20. Go to <http://www.pbs.org/wgbh/nova/balloon/science/jetstream.html>

21. What is the average wind speed of the jet stream?

22. How does that compare to the jet stream over Lagrange today?

23. What does this site say about the direction of the jet stream?

24. How does the jet stream affect weather?