

6th grade mid-year review: this is a test grade!!!

NAME:

SCORE:

This is a review of everything we have learned in science class so far this year. Please answer these questions as best you can. You may use your notes, your book, and OF COURSE, your brain!

*This review packet is due **THURSDAY, DECEMBER 19th.***

USE THE PICTURE BELOW TO ANSWER QUESTIONS #1-#3



#1-#2: Write 2 detailed observations **in complete sentences** about the picture above.

1-

2-

3. Make an inference about the picture above (in a complete sentence):

USE THE MAP BELOW TO ANSWER QUESTIONS #4-#5



4. What latitude line touches the northernmost point of Kentucky? CIRCLE the best answer:

38N 39N 40N 41S 85W 84W

5. What longitude line passes closest to Frankfort?

38N 39N 40N 41S 85W 84W

6. Pikeville, Kentucky has wide, open plains and some of the tallest mountains in the Appalachian mountain range. Which of the following statements about Pikeville is TRUE (circle it):

- Pikeville has a low relief and low topography
- Pikeville has a high relief and a high topography

7. Give an example of a place that has a low relief:

8. Give 3 examples of objects that exist in the geosphere:

9. Give 2 examples of objects that exist in the hydrosphere:

10. Give 2 examples of objects that exist in the biosphere:

11. SKIP

12. Which of the layers of the earth is the LEAST DENSE?

13. Which of the layers of the earth is the MOST DENSE?

14. Give 1 landform you would expect to find at a divergent tectonic plate boundary:

15. Give 1 landform you would expect to find at a convergent tectonic plate boundary:

16. A metamorphic rock undergoes extreme heat and melts into magma. Eventually, the magma cools and becomes a new rock. This new rock is a _____ rock.

17. A metamorphic rock gets broken down into soil and sediments by wind over thousands of years. Eventually, the soil and sediments get pushed together by pressure and become a new rock. This rock is a _____ rock.

18. A sedimentary rock gets buried underneath a mountain and is exposed to heat and pressure over thousands of years. It becomes a new, different looking rock. This rock is now a _____ rock.

19. The longest era of geologic time, during which there was hardly any life on earth was:

20. The era of geologic time where mammals- including humans- became very successful was:

21. The era of geologic time where most of life was aquatic and fishes became very successful was:

22. The era of geologic time where reptiles and dinosaurs became most successful was:

23. Which lasted for longer: The Phanerozoic eon OR the Jurassic period?

24. Which lasted for longer: the Triassic period or the Holocene epoch?

25. In the space below, answer the following open response question.

Imagine that the plate tectonics and the movement of the earth's crust stopped suddenly during the beginning of the Mesozoic Era, right before the breakup of Pangea.

A- Make 1 prediction about how this would change the rock cycle. EXPLAIN your answer with reasons and details, use scientific vocabulary!

B- Make 1 prediction about how this would have affected the rest of geologic time. Give reasons to support your answer.