

PANGAEA AND GEOLOGIC TIME- pages 8 and 9 ESRT

NAME: _____

Note: Pages 8 and 9 have been modified (the middle was cut out) to include geologic time and corresponding NYS geologic events and inferred land mass positions.

Questions:

1. What does the term "orogeny" mean?
2. During the late Proterozoic what ocean was opening?
3. What epoch began 65.5 mya and ended 55.8 mya (million years ago)?
4. In the Mesozoic, what mountainous region of NYS was uplifted?
5. How many years ago does it appear that NYS was nearly at the equator?
6. How does a dome mountain form?
7. About how many years ago did Pangaea begin to break up?
8. During what geologic period were the sands and clays of Long Island deposited?
9. During which geologic period did the Acadian orogeny happen?
10. What ocean was closed during the formation of the Taconic mountains?
11. What is a "sill"? When did the Palisades sill intrude?
12. During which epoch was the retreat of the last continental ice sheet?
13. When was there "widespread" deposition over most of NYS?
14. What type of rock are created during widespread deposition (igneous, meta or sed)?
15. How many years about was most of North America in the southern hemisphere?

