

Mastery Opportunity – Dynamic Crust

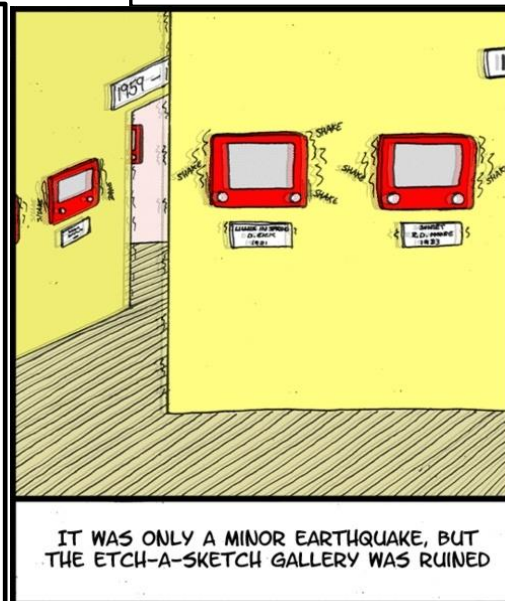
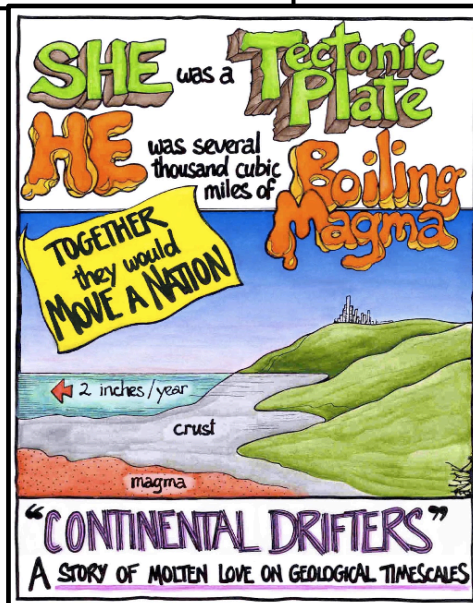
Mastery assignments are optional, but are due ONLY on the day of the test. **Choose any two** of the following four assignments.

Option 1:

1. Create a detailed sketch of the three types of stress. Be sure to show the action at each. Label each diagram.
2. Create a detailed sketch of the four types of faults. Be sure to clearly identify the hanging wall and the foot wall. Be sure the action of the hanging wall is evident. Label each diagram

Option 2:

1. Create a detailed and labeled sketch of EACH of the three types of volcanoes. Be sure that each type volcano can easily be determined based on the design of your sketch and description given.
2. Give a real world example of each type.



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Option 3:

Create a sketch of each of the following boundary types:

- Divergent
- Transform
- Convergent – oceanic to oceanic
- Convergent – oceanic to continental
- Convergent – continental to continental

Be sure to show detail and label each feature that is formed and each action that is occurring.

You will also need to specify WHERE on Earth this boundary can be observed.

Option 4

Create a cartoon strip (with a main character) that explains to elementary school children about volcanoes.

Be sure to include:

1. types of volcanoes
2. where they occur
3. WHY they occur
4. hazards associated with volcanoes

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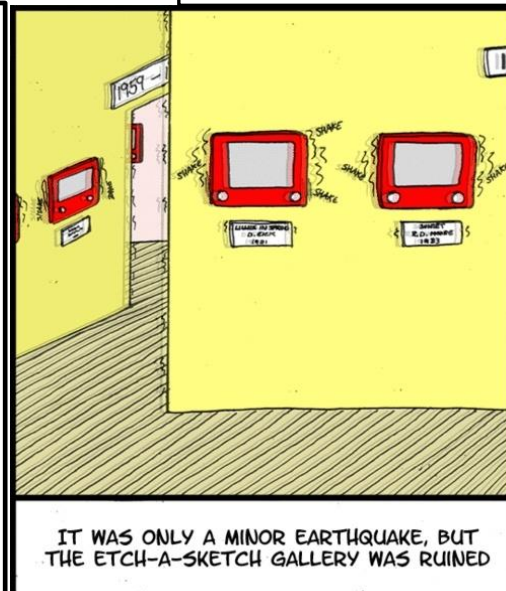
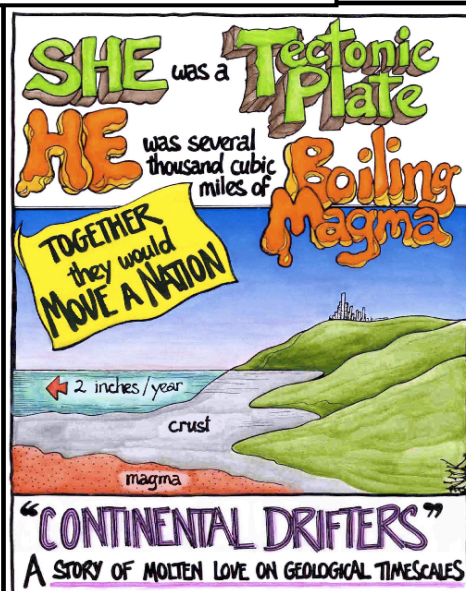
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