

Item #: _____ Benny's Model of Earth Name: _____

- 1) What kind of geologic activity is located here? _____ and _____
- 2) Where is the Java Trench located? _____° S _____° E and near _____
- 3) Where is the Java Trench located in relation to YOUR region (YOUR pen-pal's location)
(Ex: From North Carolina, Java Trench is located SOUTHEAST)

4) What is a model? Give an example.

5) What model is Benny going to use to model the Earth?

6) Explain how geologists learn about the Earth's structure.

7) Why did Benny's class use an egg to model the Earth?

8) Draw and label Benny's models below: (The two models that are NOT in the box)

9) What does the eggshell represent? _____ What do the cracks in the eggshell represent? _____

10) Explain the crust:

11) Benny refers to plates as " _____ pieces." Do you agree? Why/Why not?

12) Benny says that the motion of the plates leads to earthquakes and volcanic eruptions, how do you think this happens?

13) This movement of plates is called _____.

14) Benny says there are layers in the Earth, what does the white stuff in the egg represent?

15) According to Benny's notes, what happens in the mantle?

16) What does the yolk represent?

17) What is the core?

With your group, answer the Stop and Think questions on page 66—be thorough!

1)

2) (use the photos from pgs. 61-62)

3)

4)

5)