



Background Information

Models in science help us to understand concepts and make predictions. A model may be an idea, an equation, a computer program, a diagram or a physical item that you can manipulate. All models are limited because they are simplified versions of real-world processes and structures.

In this activity you will model plate interactions using food items. Refer to the Savoury Snack Tectonics PowerPoint for instructions. Fill in the table below as you do the activity. You may wish to look at plate interaction diagrams to help you identify different types of boundaries.

Plate interaction models

| Model | What happened? | What type of boundary? | What do materials represent? | What are major differences from reality? |
|-------|----------------|------------------------|------------------------------|--|
| A | | | | |
| B | | | | |
| C | | | | |
| D | | | | |

Reflection

1. What are the advantages of this model? _____

2. What was the greatest weakness of the model? _____
