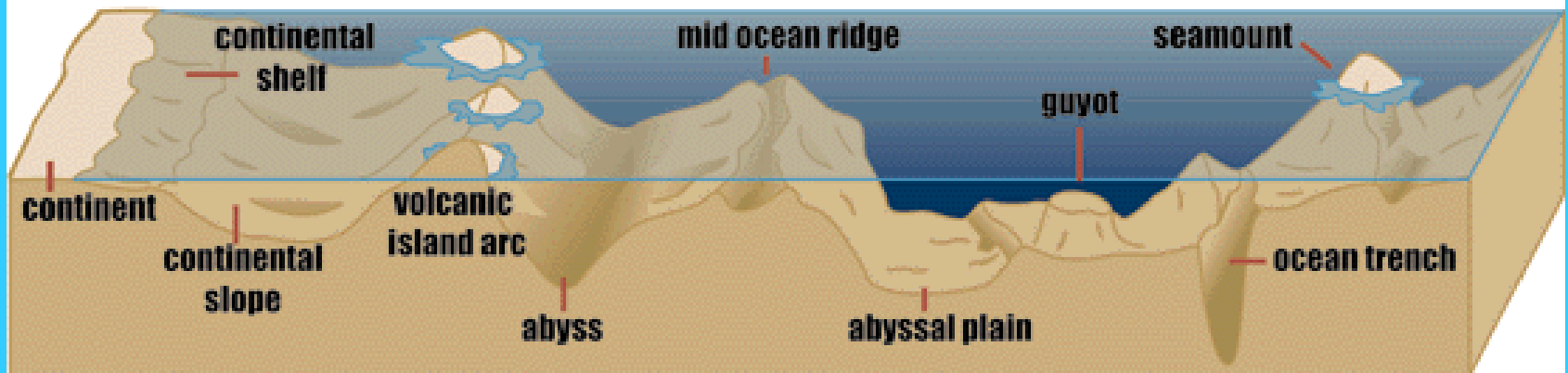


Ocean Floor



Features of the Ocean Floor



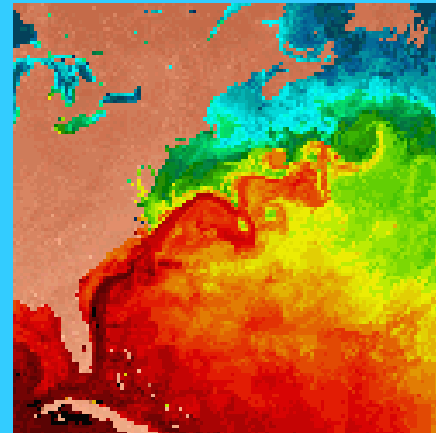
Ocean Floor Lab

- Each group will create & label a model of the ocean floor.
- The model must be completed today.
- There are 8 elements that must be included. Each person must design and label at least 2 elements.
- All of the clay stays in the tray.
- The lab is worth 16 points: 2 points for each ocean feature.
- Inappropriate lab behavior = Points taken off grade for the lab. Possible ISI for disrespecting lab materials.
- The team to build the best model gets a Snake Bite!



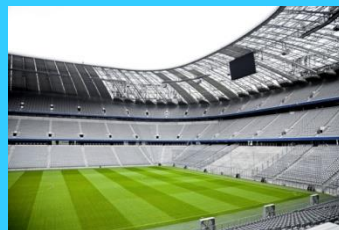
The Ocean Floor

- Oceanographers discovered the shape of the ocean floor by measuring the depth of the floor in many places.
- Early tools included lead weights lowered on ropes or cables to the ocean floor.
- Today, sophisticated side-sonar and satellite data are fed into computers.



A Note About Ocean Models

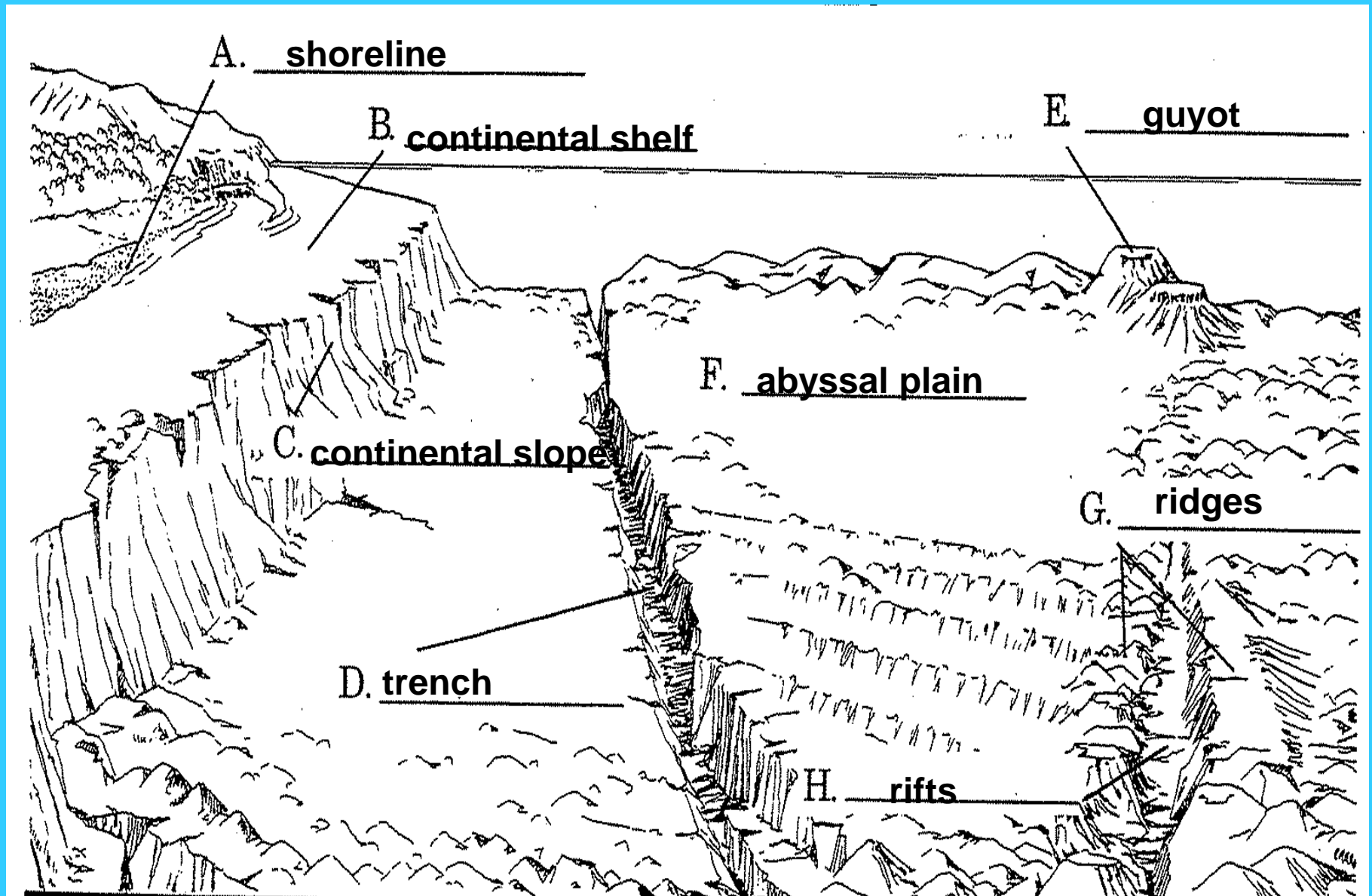
- All models of the ocean floor show features with vertical exaggeration – the models are taller and steeper than they actually are.
- If models were drawn to scale, they would need to be very large.
- The Pacific Ocean is 6,000 miles wide and 6 miles deep in some places. If you made a model where 1 foot = 6 miles, the model would be more than 1,000 feet wide and more than 3 football fields in length.



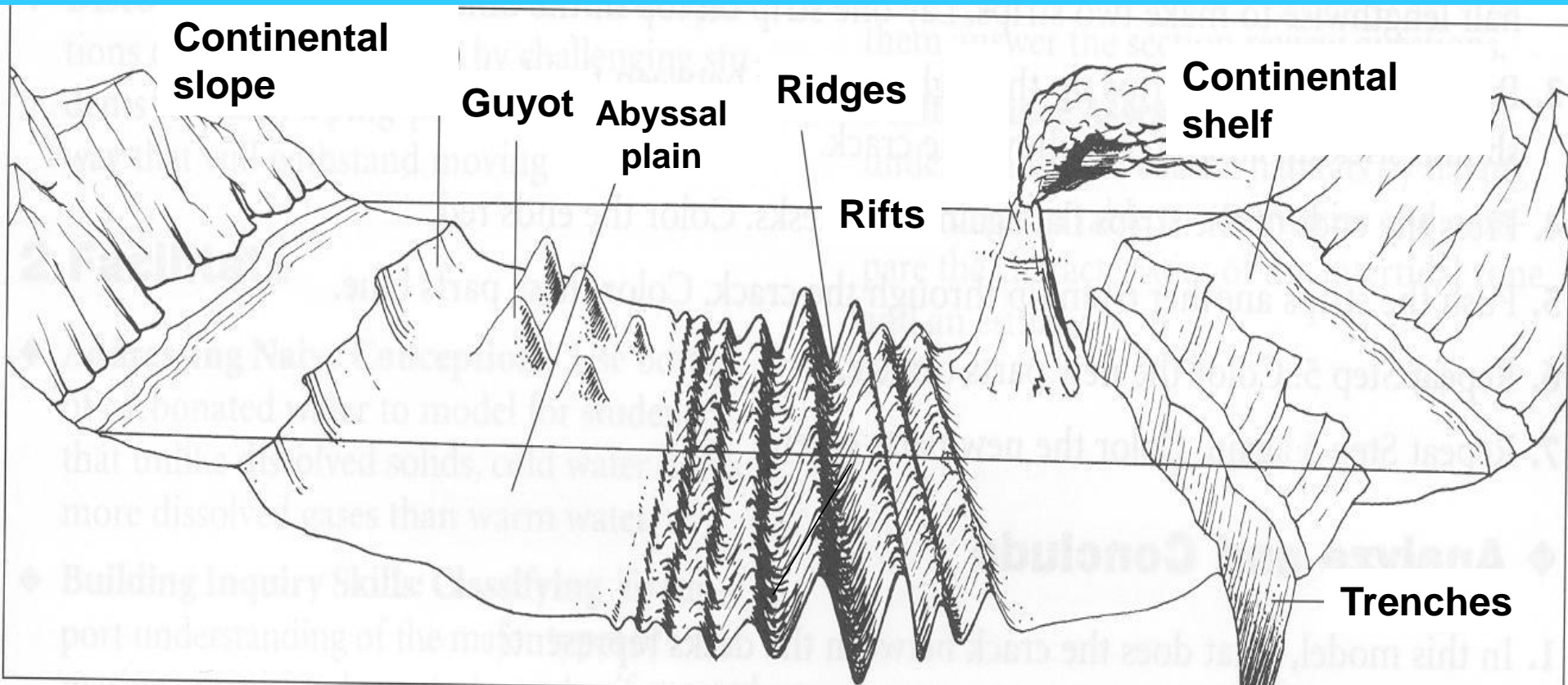
Ocean Floor Vocabulary

- A. **Shoreline**: line which marks the edge of the ocean water
- B. **Continental Shelf**: shallow, submerged part of the continent just off shore
- C. **Continental Slope**: land from continent's end to ocean floor
- D. **Trench**: narrow, very deep valley
- E. **Guyot**: underwater volcanic mountain
- F. **Abyssal Plain**: flat, nearly level areas; forms most of the ocean floor
- G. **Ridges**: great underwater mountain ranges
- H. **Rift**: valleys between ridges

Ocean Floor Model #1



Ocean Floor Model #2

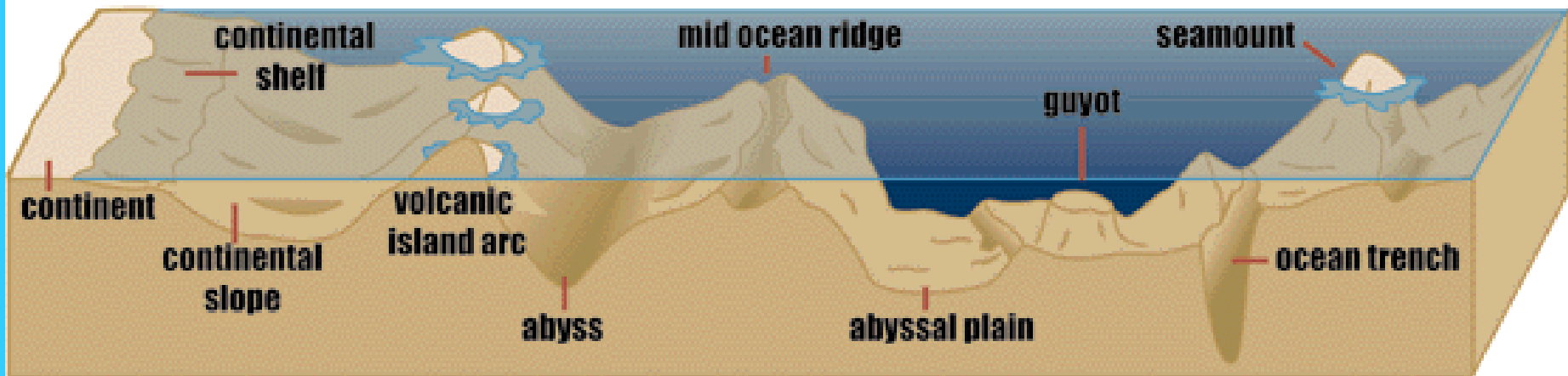


Ocean Floor Model #3

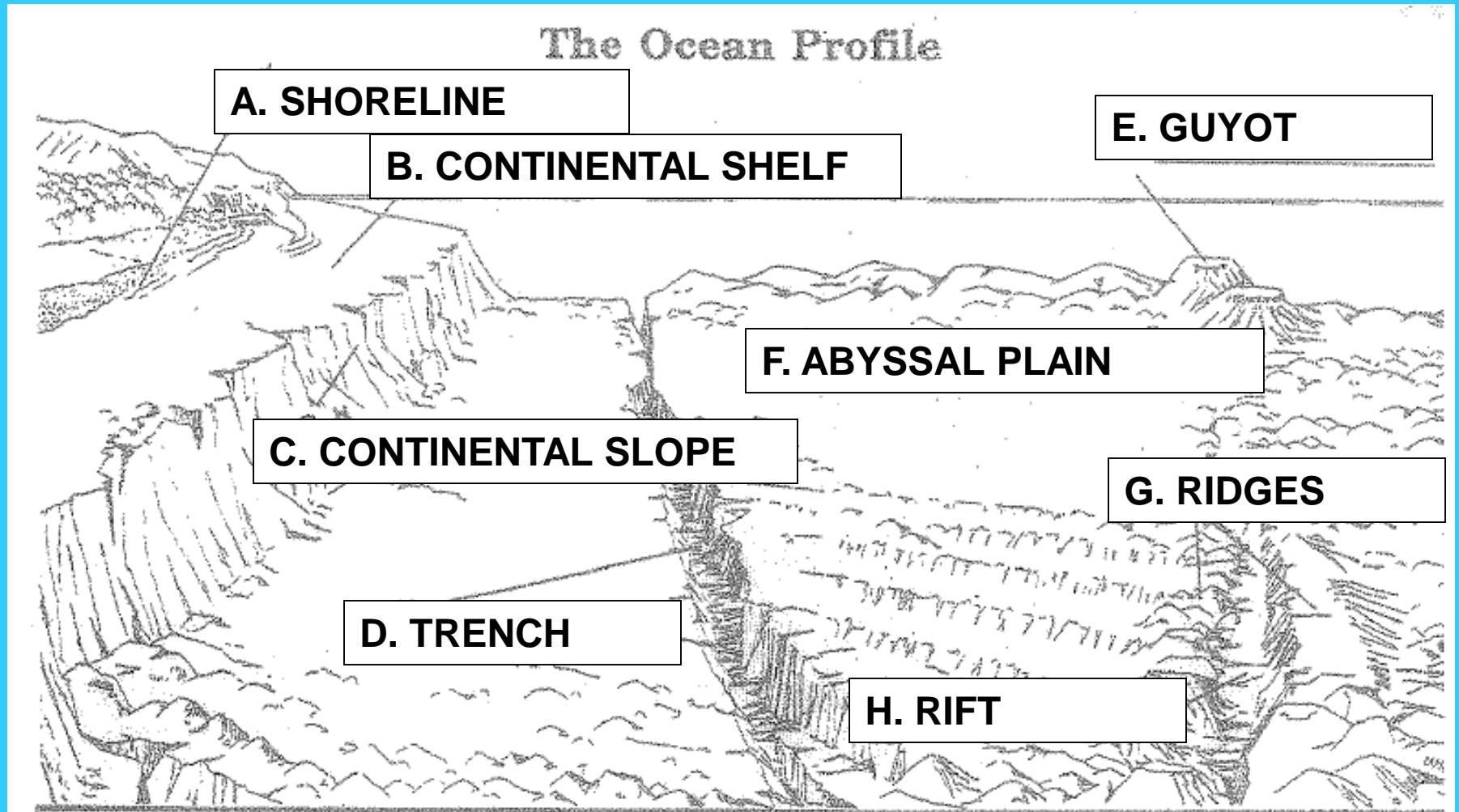


Ocean Floor Model #4

Features of the Ocean Floor



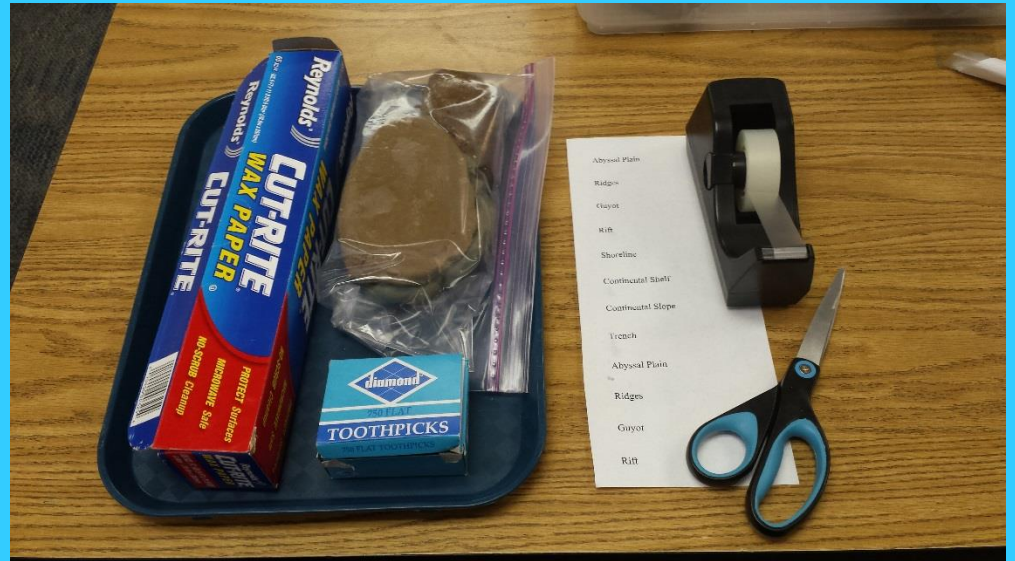
Design & label the ocean floor that includes the following features



Materials

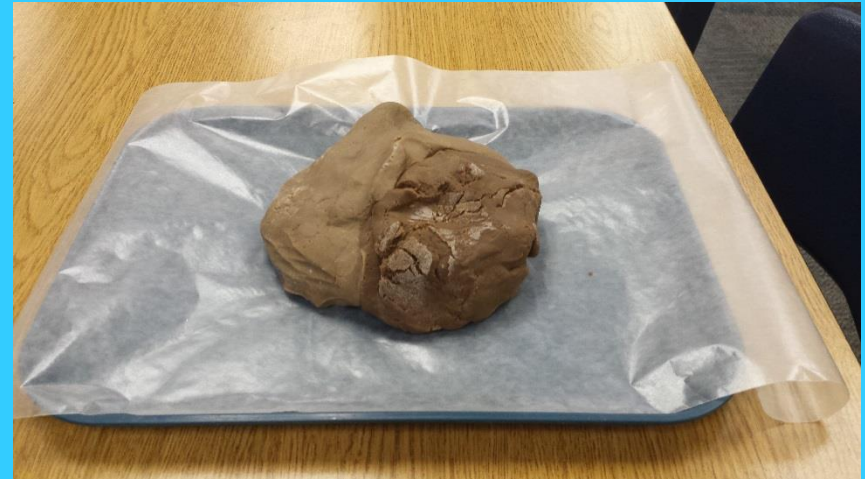
Each team will receive the following:

- One tray
- Wax paper
- Toothpicks
- Scissors
- Tape
- Labels of ocean floor vocabulary



Procedures

- Most important part of this process is the way your team works together
- Each person should take a turn doing a job
- Line your tray with wax paper
- Place the dough on the paper

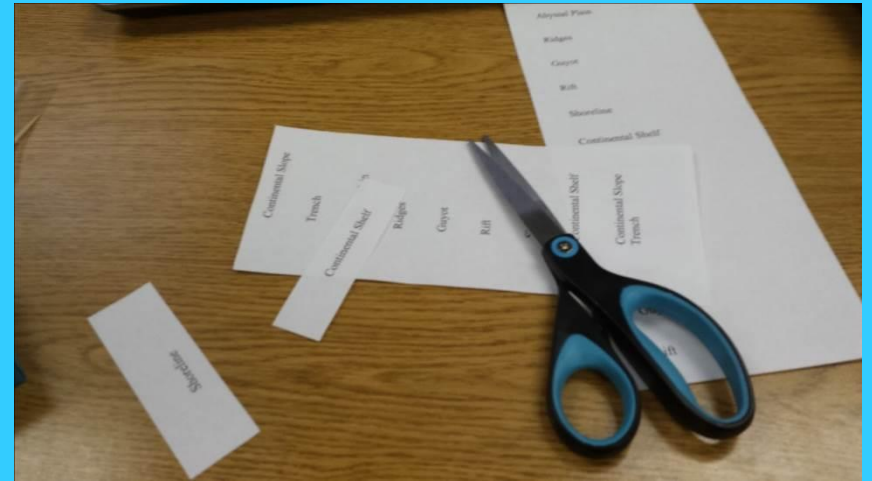
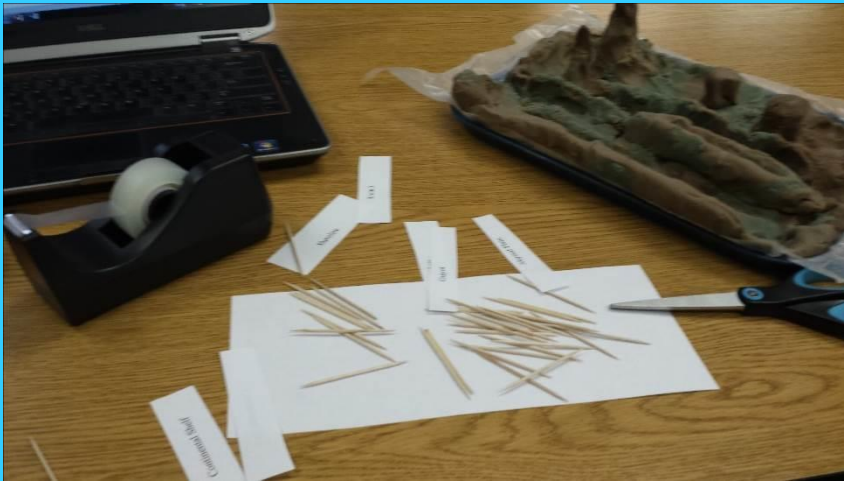


Make a plan

- Take time to press out the dough
- Give yourself an even layer to play with
- Remember the different models
- Which design will your team create?



Work Together!



Start to Create



Remember the labels

- This picture only shows 6 labels
- Your team needs all 8 to receive full points

