



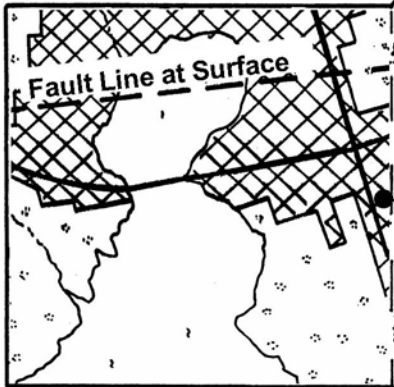
Earthquake

Instructions:

1. For best results, copy this pattern onto cardstock.
2. Color the model before cutting out the parts.
3. Cut along solid lines, fold along dashed lines, and glue along dotted lines.
4. Assemble the Base.
5. See image of completed model below.

Base

Glue tab to inside of model



Epicenter

Focus

Seismic Waves

40 km (24 Miles)

Scale








Image of completed model

Earthquake

The point underground where rocks break is known as the **focus**. The point on the surface directly above the focus is known as the **epicenter**. The focus is usually located at a depth of less than 100km (60 miles). The fastest shock waves, **P waves**, radiate outward from the focus at a rate of 6 to 7 km/second (4 miles/second).

Color Key:

-  Shock wave (red)
-  Rock layers (tan)
-  Buildings and roads (pink)
-  Sea (blue)
-  Vegetation (green)

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