

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Teacher: \_\_\_\_\_ Period: \_\_\_\_\_

If you worked with other students, their name(s): \_\_\_\_\_

**Directions:** Draw 2 arrows from each evidence box, one to each model. You will draw a total of 8 arrows.

**Key:**

	The evidence <b>supports</b> the model
	The evidence <b>STRONGLY supports</b> the model
	The evidence <b>contradicts</b> the model (shows its wrong)
	The evidence has <b>nothing to do with</b> the model

**Evidence #1**  
Fracking fluids and wastewater injected into the ground change the stress in Earth's crust.

**Model A**  
The increase in moderate magnitude earthquakes in the Midwest is caused by fracking for fossil fuels.

**Evidence #3**  
Convection of hot but solid and ductile rocks in the upper mantle creates stresses in Earth's crust. These stresses cause Earth's crust to fracture.

**Evidence #2**  
During recent years, the number of earthquakes near fracking sites was 11 times higher than the 30-year average.

**Model B**  
The increase in moderate magnitude earthquakes in the Midwest is caused by normal tectonic plate motion.

**Evidence #4**  
Many earthquakes are currently occurring in regions surrounding fracking sites.