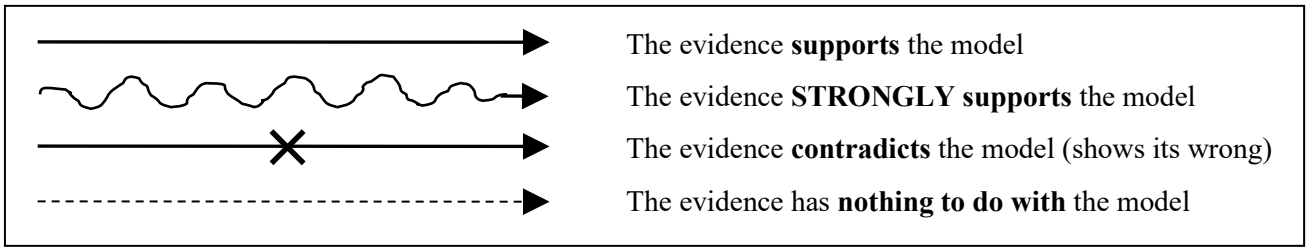
**Name**_____ **Date**_____ **Teacher**_____ **Period**_____

**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:**




**Evidence #1**
Since 2000, there have been more intense, extreme, weather events around the world. Record rainfall fell in Europe. The southeastern United States had the most active month of tornadoes. The decade from 2000 to 2010 was the warmest ever during the past 1000 years.

**Model A**
Increases in extreme weather events are linked to climate change. Current climate change is mainly caused by human activities, such as fossil fuel use.

**Evidence #3**
In the last 100 years, global temperatures have increased. In that same time period, heavy precipitation events have also increased.

**Evidence #2**
Frequency and size of large wildfires have increased in the Western U.S. since 1970. Average spring and summer temperatures have also risen in the Western U.S. during this time.

**Model B**
Over time, increases and decreases in extreme weather events are mainly caused by changes in Earth's orbit around the Sun.

**Evidence #4**
Earth's orbit is elliptical. But, the shape of the ellipse is almost a perfect circle. In the Northern Hemisphere, Earth is slightly closer to the Sun in winter than in summer.