

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

Evidence #1
Earth's average density is higher than the Moon's.

Model A
The Moon was an object that came from elsewhere in the solar system and was captured by Earth's gravity.

Evidence #3
The Moon's orbit around Earth is tilted compared to Earth's orbit around the Sun.

Evidence #2
Simulations of other star systems show that planets form when smaller objects collide.

Model B
The Moon formed after a large object collided with Earth and material from both combined to create the Moon.

Evidence #4
The composition of Earth and the Moon is similar near their surfaces. Their cores are different.