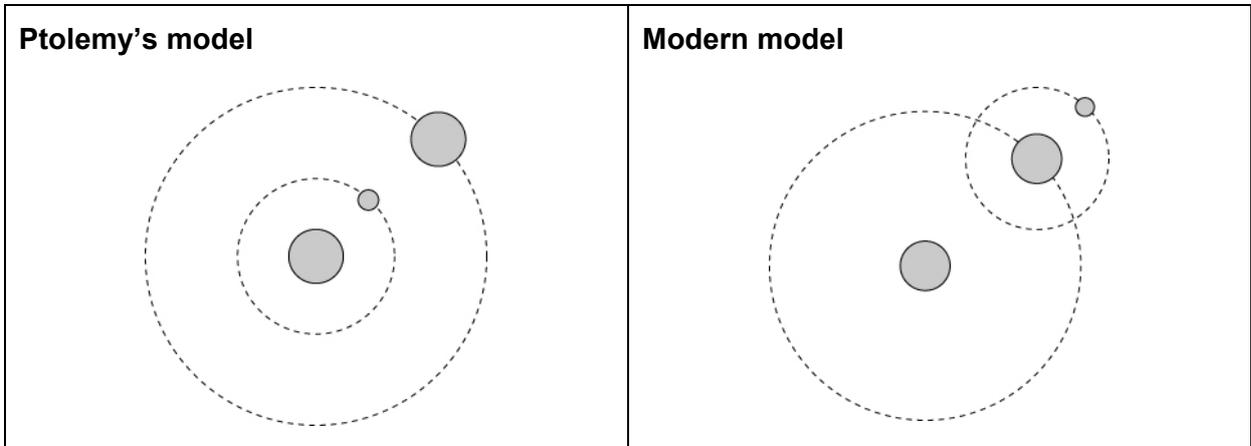


Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

A model of the Solar System was suggested by Ptolemy about 2000 years ago. Our current model of the Solar System was first suggested by Kepler about 500 years ago.

- 1 Which model (or models) of the Solar System:
- a has the Earth at the centre \_\_\_\_\_
  - b says that the planets move in elliptical orbits \_\_\_\_\_
  - c has the Moon moving around the Earth \_\_\_\_\_
  - d was suggested using naked-eye observations \_\_\_\_\_
  - e has eight planets, including the Earth \_\_\_\_\_
  - f says that the planets move in circular orbits \_\_\_\_\_
  - g explains all our observations of the Solar System \_\_\_\_\_
  - h has the Sun at the centre \_\_\_\_\_
  - i was suggested to explain observations made using telescopes? \_\_\_\_\_

2 The diagrams show the two models of the Solar System. Write E, S and M on each one to show where the Earth, Sun and Moon are in the model.



- 3 a How does our current model of the Solar System explain why we have day and night?
- \_\_\_\_\_
- \_\_\_\_\_
- b How did Ptolemy's model explain why we have day and night?
- \_\_\_\_\_
- \_\_\_\_\_

**I can...**

- compare different models of the Solar System
- explain why we have day and night.