Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Moon Phases Data Collection Sheet

Use your moon model to collect data to fill this chart.

1. Identify where the Sun is and in which direction the light is shining. The rest of the work you do on this sheet will be in reference to the placement of the Sun.
2. Label the Earth
3. Color each moon so that the part that does not receive sunlight is colored and the part that does receive sunlight is uncolored. Use your model to determine this. DO NOT GUESS. USE THE MODEL.
4. Based on this diagram, what is the best explanation for why we see the phases of the moon in the order that we do? DO NOT GUESS. BACK UP YOUR STATEMENT WITH YOUR DATA ABOVE.
5. Why does the Sun appear to rise in the sky even though we on Earth are moving and the Sun does not move?
6. DO NOT GUESS. USE THE MODEL to explain:
   1. Why do we see the moon rise? DRAW A PICTURE TO ACCOMPANY YOUR ANSWER
   2. Why does it not rise at the exact same time each day? DRAW A PICTURE TO ACCOMPANY YOUR ANSWER