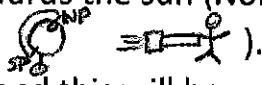


Item #: \_\_\_\_\_

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

With your group members, complete the following exploration.

Set-up:

- 1) Shine light (sun) on the globe.
  - 2) Have globe "tilt" towards the sun (North Pole tipped toward direction of the sun like seen in the picture: ).
  - 3) Find North Carolina and this will be your "home" location. Rotate the globe to help your group answer the questions.
- 

- 1) When it is local noon at your location, what are **two** other places (include one place NOT in the United States) that are also having local noon? How do you know it is noon there?
  
  
  
  
  
  
  
  
  
  
- 2) When it is local noon at your location, what are two places that are experiencing midnight?
  
  
  
  
  
  
  
  
  
  
- 3) \*\*\*Critical Thinking Question\*\*\* Are there locations on the Earth where you would not see the Sun throughout an entire day? If so, where?
  
  
  
  
  
  
  
  
  
  
- 4) \*\*\*Critical Thinking Question\*\*\* Are there locations on the Earth where you would always see the Sun throughout an entire day? If so, where?
  
  
  
  
  
  
  
  
  
  
- 5) With your group, develop a claim about why you are able to see the Sun move across the sky every day.