

Motion of the Earth

EXPLORE ACTIVITY: In this activity each student will represent the Earth and will model the motions of the Earth through the movement of his or her body.

1. Draw a diagram of the way you were standing when it was nighttime. Use circles to represent the Sun and Earth and place an **X** on the Earth to represent the location of your nose.

2. Draw a diagram of the way you were standing when it was daytime. Use circles to represent the Sun and Earth and place an **X** on the Earth to represent the location of your nose.

3. Draw a diagram to show Earth's revolution around the Sun. Use circles to represent the Sun and Earth and arrows to show Earth's revolution.

REFLECTION QUESTIONS:

1. Based on your observations, describe the rotation of the earth in your own words.

2. Based on your observations, describe the revolution of the Earth in your own words.

3. Explain the difference between rotation and revolution.

4. What "Big Idea" do you think this activity addresses?

5. Can any other "Big Ideas" be tied into this activity? If so, which ones?
