**Chapter 1.2 Earth in Space**

*Key Concept Questions*

Reinforcement/Homework: Students are to re-write questions and answer in complete sentences.

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1. What are Earth’s two main motions called?
2. What is rotation?
3. What is Earth’s axis?
4. How long does it take for Earth to make one rotation?
5. What change do we see as a result of Earth’s rotation?
6. As Earth rotates, how does the interaction of Earth and the sun affect day and night?
7. As Earth revolves, how does the interaction of Earth and the sun affect how we mark time?

Pages 14 – 15

1. At what angle is Earth’s axis tilted?
2. What would happen to the world’s temperatures if Earth’s axis were straight up and down?
3. Does the North Pole point in different directions as Earth revolves around the sun?
4. Is the angle of Earth’s tilt different at different points in Earth’s revolution?
5. What is different about Earth’s tilts as it revolves around the sun?
6. What season is it in the Northern Hemisphere when the north end of the axis is point the most directly toward the sun? Draw this diagram.
7. What season is it in the Northern Hemisphere when the south end of the axis is pointed the most directly toward the sun? Draw this diagram.
8. When it is winder in the Northern Hemisphere, what season is it in the Southern Hemisphere? Draw this diagram.

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What is happening at each of these events?

Sumer Solstice:

Vernal Equinox:

Winter Solstice:

Spring Equinox: