

**M O D E R N E A R T H S C I E N C E**

Transparency Worksheet 47 *Chapter 26.2*  
**Constellations**

1. Why do the positions of the constellations change from summer to winter?

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2. Name the constellations that can be seen both in summer and in winter.

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3. At the North and South Poles you would see completely different sets of constellations. Explain why this is so.

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4. Which star is in the same position in both star maps?

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5. Do you think these maps will look more or less the same a million years from now? Explain.

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**M O D E R N E A R T H S C I E N C E**

**Transparency Worksheet 5**  
**The Seasons**

**1. On which day of the year would the longest shadow be cast at noon in the Northern Hemisphere?**

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**2. On which day of the year does the sun rise farthest north?**

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**3. How would the top diagram differ if the earth were not tilted on its axis?**

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**4. How would seasons be affected if the earth were not tilted on its axis?**

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**5. Using the bottom diagram, explain why regions close to the North Pole are almost continuously dark in the winter and almost continuously light in the summer.**

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