



Name \_\_\_\_\_ Date \_\_\_\_\_



# Identifying Comets

- 1** Identify a fact associated with comets.  
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- 2** Identify a legend associated with comets.  
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- 3** Identify a myth associated with comets.  
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- 4** Comets are small Solar System objects, yet ancient cultures knew about them. Identify one property of comets that explains why humanity has known of comets for so long.  
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- 5** Describe the path of a comet and explain how this affects its reappearance.  
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- 6** Short-period comets tend to originate from the Kuiper Belt—a region beyond the orbit of Neptune similar in shape to the asteroid belt. Long-period comets tend to originate from the Oort Cloud—a spherical region well beyond the orbits of Neptune and Pluto. Based on the reading, explain where each of the following comets is likely to have originated: Hale-Bopp, Swift-Tuttle, Hyakutake, and Halley's. Explain your choices.  
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