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Activities

Fun House Mirrors

Name: _____ Date: _____

How do fun house mirrors make you look stretched or squished? You'll find out in this Planet Diary activity.

Directions

- Go to Fun House Mirrors. Click Background at the top of the page, then scroll to the pictures of the concave and convex mirrors. Answer Workspace questions 1 through 3.
- Return to the Fun House Mirrors. Scroll to see how the image of Melissa changes in a convex or concave mirror. Read theories 1 and 2. Which theory do you predict is correct? Answer question 4.
- Was your prediction correct? If not, try again.
- Click *Go* for more fun house mirrors. This page shows what Melissa (or her buddy Sam) looks like in a fun house mirror. Your job: Select *Concave* or *Convex* from the pull down menus to match the mirror image. Click *Finish* when you think you've got it right. Keep trying until you get it right!
- Try the activity again with other fun house mirrors. Then answer the last two questions.

Workspace

1. What is the "main rule of mirrors"?

2. What does "normal" refer to for mirrors?

3. How do concave and convex mirrors change the way you look?

4. Which theory did you predict was correct? Explain your thinking.

5. When Melissa looks in the fun house mirror, she sees a small head, long torso, and short legs. For each part (top, middle, and bottom) of the mirror, say if it's concave or convex?

6. When Sam looks in the mirror, he sees a large head, short torso, and long legs. For each part (top, middle, and bottom) of the mirror, say if it's concave or convex.

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