SCIENCE EXPLORATION JOURNAL

Light and Optics

- **Stroboscope**
- **Shadow Wall**
- **Laser Harp**
- **Light Lab**
- **Star Trace**

Try to answer these questions at the exhibits in Hands On Hall. Good Luck!

STROBOSCOPE

Choose the disc with the bird and the cage. Adjust the light and the spinning speed until you see one picture. Draw a picture of what you see here.

SHADOW WALL

How long does your shadow stay on the wall when you stand close to the wall? How long does it stay when you stand far away from the wall?

LASER HARP

Describe one way you can play one note at a time at the Laser Harp.

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LIGHT LAB

Draw a picture of what you see when you put the **concave** lens in front of the white light.

Draw a picture of what you see when you put the **concave** lens in front of the white light.

STAR TRACE

Is it easier to trace the star with your left hand or your right hand?

If you are right-handed, find someone who is left-handed. If you are left-handed, find someone who is right-handed. Is the *Star Trace* easier for you or for the other person?