



## HANDS-ON LAB

**Modeling Parallax**

**TIME REQUIRED** 15 minutes if plates are already hung from the ceiling, 30 minutes if plates need to be made and hung

**LAB RATINGS** Easy ← 1 2 3 4 → Hard

Teacher Prep—1

Student Setup—1

Concept Level—2

Cleanup—1

**OBJECTIVE**

Students will model and investigate the phenomenon of parallax.

**SETUP AND PROCEDURE**

- You may want to hang the plates from the ceiling to save time.

**ANSWER KEY****Analysis**

1. Yes. The red plate appeared to shift to the side relative to the blue plates. The shift was less extreme when the observer was farther away.
2. Eventually the red plate would not appear to shift relative to the blue plates.
3. Closer stars would have shifted the most relative to the background, while more distant stars would have shifted less.