

Astronomy Grade 5 Lab Practical

Teacher's Answer Key

This is your chance to see how well your students have picked up on important key concepts, and if there are any holes. Your students also will be working on their homework assignment as you do this test individually with the students.

Materials

- Sheets of paper
- Pencil

Lab Practical: Ask the student *Note: Answers given in italics!*

- On a sheet of paper, draw the solar system. Include the Sun, eight planets, and the Asteroid Belt. Approximate the scale of the planets and distances between them. *Students will draw the largest object to be the Sun. The next four are nearly the same size dots and bunched up within the first half inch of the paper. Jupiter is the largest planet circle, Saturn is the second largest planet circle, and the spacing between the two ice giants is larger than the space between the two gas giants. The Asteroid Belt is between Mars and Jupiter. (See table below for exact distances for reference.)*

| Planet/Object | Distance from the Sun | Distance from the Sun |
|---------------|-----------------------|-----------------------|
| Mercury | 0.11 inches | 2 mm |
| Venus | 0.21 inches | 5 mm |
| Earth | 0.30 inches | 7 mm |
| Mars | 0.45 inches | 11 mm |
| Jupiter | 1.56 inches | 3.9 cm |
| Saturn | 2.87 inches | 7.2 cm |
| Uranus | 5.77 inches | 14.6 cm |
| Neptune | 9.05 inches | 22.9 cm |

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Student Lab Worksheet

This is your chance to show how much you have picked up on important key concepts, and if there are any holes. You also will be working on a homework assignment as you do this test individually with a teacher.

Materials

- Sheets of paper
- Pencil

Lab Practical:

- On a sheet of paper, draw the solar system. Include the Sun, eight planets, and the Asteroid Belt. Approximate the scale of the planets and distances between them.