

# Life Science 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:

Double convex lens

- Balloon
- Candle
- Matches (you will light the candle when the student asks you to)
- Paper
- Piece of clay
- Pencil
- Ruler

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

- Design an experiment that shows how the shape of the eye will make people near- or far-sighted. *Blow up the balloon and insert the lens into the mouth of the balloon. The student will bring the balloon close to a lit candle and show the image of the candle that appears on the back of the balloon. Squish the balloon slightly on the top to make a near-sighted eyeball, and then gently push in the front and back of balloon to make it a far-sighted balloon.)*
- Design an experiment that shows how a first-class lever works, and also show where in your body you can find this type of lever. *(Student will balance the middle of the ruler on their finger and then play a piece of clay at one end, and then push down on the other end of the ruler to lift the clay like a see-saw or teeter-totter. The neck joint in the middle is the fulcrum, with load and effort on either side.)*

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## Student 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:**

- Double convex lens
- Balloon
- Candle
- Matches (you will light the candle when the student asks you to)
- Paper
- Piece of clay
- Pencil
- Ruler

### **Lab Practical:** Ask the student

- Design an experiment that shows how the shape of the eye will make people near- or far-sighted.
  
- Design an experiment that shows how a first-class lever works, and also show where in your body you can find this type of lever.