# Grade 2 | SCIENCE

### WEEK 32 • FILLABLE PRACTICE WORKBOOK • DAYS 156–160

Read the matching lesson in the Week 32 Student Textbook first. Type each answer in the box below its question and save a copy. Complete physical measurements, drawing, and hands-on tasks on a printed page. Day 160 is answered on your own.

Name: _____ Date: _____

## Day 156: Review: Properties and the Right Material for the Job

**Five materials (a make-believe class's observations)**

| Material | Hard or soft? | Bends? | Lets light through? | Soaks up water? |
|---|---|---|---|---|
| Wood craft stick | Hard | A little | No | A little |
| Cotton ball | Soft | Yes | No | Yes |
| Clear plastic lid | Hard | A little | Yes | No |
| Metal spoon | Hard | No | No | No |
| Paper towel | Soft | Yes | No | Yes |

1. Sort the five materials into two groups: those that soak up water and those that do not.

2. Which material in the table would you choose for a window in a toy house? Use a property to explain.

3. Why is a metal spoon a better material for stirring soup than a paper towel?

## Day 157: Review: Building From Pieces; Heating and Cooling

1. You build a car from 12 snap blocks. Then you build a boat from the same 12 blocks. What changed, and what stayed the same?

2. Sort these changes: butter melting in a warm pan; bread toasting; a crayon melting in the sun; a log burning. Which can be undone and which cannot?

3. Why should only an adult handle the stove or hot water during a heating test?

## Day 158: Review: Changes and Properties Together

**Before and after (a make-believe kitchen test, done by an adult)**

| Material | Before | Change | After |
|---|---|---|---|
| Water in a tray | Liquid, pours | Put in the freezer for a day | Hard, keeps its shape |
| Chocolate chips | Hard, snap when broken | Warmed in a bowl by an adult | Soft, runny |
| Pancake batter | Runny, pale | Cooked in a pan by an adult | Firm, brown, spongy |

1. For the water in the tray, which properties changed after freezing?

2. Can the pancake batter change be undone? Explain using the table.

3. What would happen to the runny chocolate if it was put in the refrigerator? Is that change reversible?

## Day 159: Hands-On: Mystery Material

**Hands-on task: mystery material**

1. An adult gathers six samples: a wood craft stick, a cotton ball, a piece of foil, a square of plastic wrap, a paper towel and a rubber band. The adult hides one sample in a bag. That is the mystery material.
2. Test the five samples you can see: press (hard or soft), bend (bends or stiff), hold up to a window (lets light through or not), and add one drop of water (soaks it up or not).
3. Record each sample's properties in the table below.
4. The adult reads the property clues for the mystery material one at a time. After each clue, cross out samples that do not match.
5. Name the mystery material, open the bag to check, and wipe up any water. Wash your hands.

| Sample | Hard or soft | Bends or stiff | Lets light through? | Soaks up water? |
|---|---|---|---|---|
| ____ | ____ | ____ | ____ | ____ |
| ____ | ____ | ____ | ____ | ____ |
| ____ | ____ | ____ | ____ | ____ |
| ____ | ____ | ____ | ____ | ____ |
| ____ | ____ | ____ | ____ | ____ |
| ____ | ____ | ____ | ____ | ____ |

**The clue that helped me most:**

1. Which of your samples let light through?

2. Name two samples that bend and two that stay stiff.

3. Write the clues for the mystery material and name it. How did each clue help?

## Day 160: Independent Check: Matter

Answer on your own. An adult may read the questions aloud but should not give the answers.

1. Which material is best for a raincoat: cotton cloth, plastic or paper? Use a property to explain.

2. A sandcastle is knocked down. The same sand is used to build a sand turtle. What stayed the same?

3. Sort the changes: an ice pop melting; an egg frying; wax melting in the sun. Which can be undone?