

SCIENCE 7 UNIT B MATERIALS BY LESSON

SECTION B1

Section B1 Introduction

- ☐ tape measure
- ☐ a tall tree

Lesson B1

- ☐ carrot
- ☐ cotton balls
- ☐ water
- ☐ small bowl
- ☐ knife

Lesson B2

- ☐ small potted houseplant with leaves (small enough to fit inside a large pop bottle)
- ☐ 2 large empty and dry plastic pop bottles with closed lids (2-litre size)
- ☐ sharp scissors
- ☐ 2 plastic plates
- ☐ petroleum jelly (Vaseline™)
- ☐ plastic wrap (Saran Wrap™)
- ☐ water
- ☐ 3 clear glass or plastic cups or jars
- ☐ red food colouring
- ☐ blue food colouring
- ☐ spoon
- ☐ 2 paper towels
- ☐ cookie sheet or flat shallow pan with a lip
- ☐ 2 white flowers such as carnations or daisies
- ☐ knife

Lesson B4

- ☐ clear glass or plastic cup
- ☐ tablespoon measuring spoon
- ☐ small Ziploc™ bag
- ☐ water
- ☐ cornstarch
- ☐ iodine (an antiseptic you can find at a drugstore)
- ☐ raw potato
- ☐ paring knife
- ☐ 2 plastic or glass cups
- ☐ plate
- ☐ spoon
- ☐ fork
- ☐ salt
- ☐ tall glass cup
- ☐ wooden spoon
- ☐ hot water
- ☐ shallow glass pan
- ☐ paper coffee filter
- ☐ scissors
- ☐ pencil
- ☐ tape
- ☐ rubbing alcohol (isopropyl alcohol)
- ☐ green leaves of one type (You can use outdoor leaves, houseplant leaves, or spinach leaves.)

Lesson B5

- ☐ 8 bean seeds
- ☐ 4 small glass jars with lids
- ☐ paper towels
- ☐ water

Lesson B6

- ☐ glass jar, such as a short relish or jam jar
- ☐ unpeeled small sweet potato (the potato should fit into the jar, but there shouldn't

be a huge space between the potato and the edge of the jar.)

- ☐ knife
- ☐ 8 toothpicks
- ☐ water

SECTION B2

Section 2 Introduction

- ☐ cornstarch
- ☐ iodine
- ☐ water
- ☐ spoon
- ☐ measuring spoons
- ☐ measuring cups
- ☐ 3 coffee filters
- ☐ plastic funnel
- ☐ 6 glass cups
- ☐ 5 eyedroppers
- ☐ white paper
- ☐ orange juice
- ☐ apple juice
- ☐ lemon juice
- ☐ lime juice

Lesson B7

- ☐ 2 dry pinecones
- ☐ wide glass jar
- ☐ water

Lesson B8

- ☐ small handful of sunflower seeds with the shells removed
- ☐ mortar and pestle
- ☐ water
- ☐ plastic wrap
- ☐ 3 cooking pots
- ☐ 3 bowls
- ☐ 2 cups yellow onion skins

- ☐ 2 cups chopped purple cabbage
- ☐ 4 tbsp ground turmeric root
- ☐ mesh strainer
- ☐ white vinegar
- ☐ 3 or more hard-boiled eggs
- ☐ tongs
- ☐ paper towels

Lesson B9

- ☐ scrap paper or newspaper
- ☐ large bowl
- ☐ hot water
- ☐ tap water
- ☐ whisk or electric blender
- ☐ measuring cup
- ☐ shallow glass or metal pan
- ☐ piece of window screen or a frying pan splatter screen that fits inside the shallow pan
- ☐ 2 tea towels
- ☐ wooden popsicle sticks
- ☐ cooking pot
- ☐ clean and empty metal can (such as a tuna or tomato can)

SECTION B3

Section 3 Introduction

- ☐ empty large plastic pop bottle
- ☐ scissors
- ☐ soil
- ☐ juice pitcher
- ☐ water
- ☐ glass cup

Lesson B10

- ☐ a handful of soil from under an evergreen tree
- ☐ a handful of soil from a field or flower bed
- ☐ spoon

- ☐ measuring cups
- ☐ 2 tall glass cups
- ☐ white vinegar
- ☐ baking soda
- ☐ soil
- ☐ glass measuring cup or measuring cylinder
- ☐ empty 500 mL plastic pop bottle
- ☐ 3 coffee filters
- ☐ water
- ☐ sand
- ☐ 2 funnels
- ☐ 6 coffee filters
- ☐ red powdered drink (like Kool-Aid)
- ☐ juice pitcher

Lesson B11

- ☐ 1 empty 500 mL plastic pop bottle
- ☐ water
- ☐ balloon
- ☐ rubber band
- ☐ scissors
- ☐ 1 houseplant with leaves (not a cactus)

SECTION B4**Lesson B12**

- ☐ 2 empty 2 L plastic pop bottles
- ☐ scissors
- ☐ strip of cotton fabric, 25 cm by 4 cm (You can use part of an old t-shirt.)
- ☐ perlite
- ☐ liquid fertilizer (such as used for house plants)
- ☐ water
- ☐ bean seeds
- ☐ clear plastic bag
- ☐ potting soil
- ☐ perlite

- ☐ large bowl
- ☐ 2 plastic cups
- ☐ glass or metal pan or tray
- ☐ measuring cups
- ☐ measuring spoons
- ☐ ruler

Lesson B14

- ☐ clipboard
- ☐ paper
- ☐ pencil or pen