

# FROM BRR TO BURROW

USING EXAMPLES OF  
ORGANISMS TO SOLVE  
PROBLEMS



**STUDENT WORKBOOK**



# COVER ME UP

Many animals live in cold parts of the world. In this activity, discover one way those animals stay warm.

## I FAT LAYERS

### WHAT YOU NEED:

#### FROM THE KIT:

- 2 4X6 bags
- Petroleum jelly

#### OTHER ITEMS:

- Ice
- Large bowl
- Watch
- Water

### WHAT TO DO:

#### STEP 1

1. Fill a large bowl with ice water.



#### STEP 2

Put your hand in the ice water. Use a watch to count how long you can hold your hand in the water before it's too cold. Record the number in the chart below.



## FUR AND FAT

The layer of petroleum jelly in Activity 1 acts just like the fat on many animals to keep them warm. This is why your hand was warmer in the two bags with the petroleum jelly layer. Some animals can have a second layer that helps keep them warm, too. This layer is made of fur.

In this activity, you will test how the second layer works and learn what types of animals have it.

### LEARNING GOALS:



I can observe what is the same and different about organisms in habitats.

## THE SPACE BETWEEN

2

Let's start out by testing the other layer some animals have covering their bodies.

### WHAT YOU NEED:

#### FROM THE KIT:

- 2 bags
- 2 rubber bands
- 2 thermometers
- Fur
- Modeling clay

#### OTHER ITEMS:

- Ice
- Large bowl
- Water

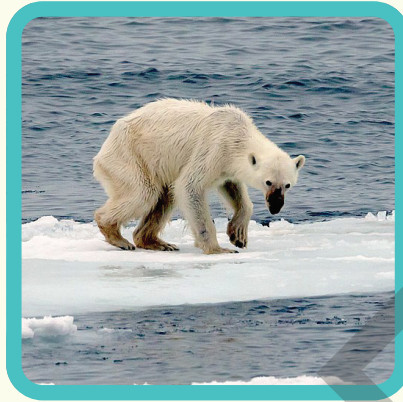
### WHAT TO DO:

**STEP 1** Make two balls with your clay of the same size by rolling it between your hands.

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2. Circle the polar bear that is warmer. Explain why it is warmer.



3. Draw a picture of a way humans mimic animals. Label your picture and name the animal humans are mimicking.

SAMPLE



# SCIENCE UNLOCKED

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