

Heat Changes

Students identify everyday heat jobs and decide whether heat changes can go back.

1.8 "Force, motion, and energy. The student knows that energy is everywhere and can be observed in everyday life. The student is expected to: investigate and describe applications of heat in everyday life such as cooking food or using a clothes..."

NAME _____

DATE _____

Teacher: this page is run aloud. The script and answers are on the guide page.

1 HEAT JOBS _____

a	COOK	SKIP	SLEEP
b	FOLD	DRY	PAINT

2 CAN IT GO BACK? _____

a	YES	NO	MAYBE
b	MAYBE	NO	YES
c	YES	MAYBE	NO

HOW TO RUN THIS PAGE

Read each choice aloud because students may not read the words independently. Invite students to say their thinking aloud before they circle, focusing on what heat does and whether a heated item can change back after cooling.

Students never read directions on this sheet. Read each part's script aloud, then each prompt, giving think time before students mark.

PART 1 • HEAT JOBS

SAY “Look at the three words in each row. Heat can help with jobs at home. After I read the words, circle the word that answers each question.”

ROW	SAY	STUDENTS CIRCLE
a	Listen: cook, skip, sleep. Which word tells what heat can do to food?	COOK
b	Listen: fold, dry, paint. What can heat in a clothes dryer help clothes do?	DRY

PART 2 • CAN IT GO BACK?

SAY “Heat can cause changes. Some changes can go back after cooling, and some cannot. Listen to each question and circle yes, no, or maybe.”

ROW	SAY	STUDENTS CIRCLE
a	When heat melts butter and the butter cools, can it become solid butter again?	YES
b	After heat cooks an egg, can the egg change back into a raw egg?	NO
c	After heat bakes a cake, can the cake change back into cake batter?	NO

WHAT TO ACCEPT

Heat Jobs: COOK, then DRY. Can It Go Back?: YES for melted butter, NO for a cooked egg, and NO for a baked cake. Accept students who explain that cooled melted butter can harden again, but cooked egg and baked cake cannot return to their earlier forms.