

Heat Makes Changes

Teacher-led predictions about warming and cooling materials.

1.6.B “explain and predict changes in materials caused by heating and cooling; and”

NAME _____

DATE _____

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

1 WARM IT _____

a	freeze	melt	hard
b	soft	freeze	hard
c	hard	soft	melt

2 COOL IT _____

a	melt	freeze	soft
b	hard	freeze	melt
c	freeze	melt	hard

HOW TO RUN THIS PAGE

Read each question and each choice aloud, then have students circle one word in every row. Listen as students explain their choice aloud by telling whether the material got warmer or cooler and what changed.

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

PART 1 • WARM IT

SAY “Listen to each question and the three words in its row. Circle the word that tells what will happen, then tell what changed when the material got warmer.”

ROW	SAY	STUDENTS CIRCLE
a	An ice cube is left in a warm room. The words are freeze, melt, and hard. Which word tells what will happen? Circle it.	melt
b	Butter is left on a warm counter. The words are soft, freeze, and hard. Which word tells what will happen? Circle it.	soft
c	Butter is heated in a hot pan. The words are hard, soft, and melt. Which word tells what will happen? Circle it.	melt

PART 2 • COOL IT

SAY “Listen to each question and the three words in its row. Circle the word that tells what will happen, then tell what changed when the material got cooler.”

ROW	SAY	STUDENTS CIRCLE
a	Water is put into a freezer. The words are melt, freeze, and soft. Which word tells what will happen? Circle it.	freeze
b	Melted wax is left to cool. The words are hard, freeze, and melt. Which word tells what will happen? Circle it.	hard
c	Melted butter is put into a refrigerator. The words are freeze, melt, and hard. Which word tells what will happen? Circle it.	hard

WHAT TO ACCEPT

Warm It: melt, soft, melt. Cool It: freeze, hard, hard. Accept oral explanations that connect warming with melting or softening, and cooling with freezing or becoming hard.