

Pattern Change Detectives

Students find repeating patterns and observe how actions cause changes.

1.5 "Recurring themes and concepts. The student uses recurring themes and concepts to make connections across disciplines. The student is expected to: identify and use patterns to describe phenomena or design solutions..."

NAME _____

DATE _____

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

1 FIND PATTERNS

a			
b			
c			

2 WATCH CHANGES

a	moves	stays	breaks
b	stays	changes	gone
c	louder	wetter	dimmer

HOW TO RUN THIS PAGE

Read each pattern aloud, then have students circle the next part of the pattern. For the second part, perform each quick classroom test, let students observe the result, and have them circle the matching word.

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

PART 1 • FIND PATTERNS

SAY “Listen to each pattern. Look at the choices, and circle the shape or dots that come next.”

ROW	SAY	STUDENTS CIRCLE
a	Listen: circle, square, circle, square. What shape comes next? Circle the shape that belongs next.	circle
b	Listen: two, four, two, four. What number comes next? Circle the dots that show how many.	4 dots
c	Listen: triangle, triangle, star, triangle, triangle, star. What shape comes next? Circle the shape that belongs next.	triangle

PART 2 • WATCH CHANGES

SAY “Before each test, point to the word you think may fit. Watch what happens, listen to the words, and circle the word that tells what you observe.”

ROW	SAY	STUDENTS CIRCLE
a	I will push this pencil across the desk. What do you observe? Listen: moves, stays, breaks. Circle the word that tells what happens.	moves
b	I will fold this sheet of paper once. What happens to its shape? Listen: stays, changes, gone. Circle the word that tells what happens.	changes
c	I will turn off the classroom light for a moment. What change do you observe? Listen: louder, wetter, dimmer. Circle the word that tells what happens.	dimmer

WHAT TO ACCEPT

Find Patterns answers are circle, 4 dots, and triangle. Watch Changes answers are moves, changes, and dimmer, based on the teacher-led observations.