

# COLOR-CHANGING POTION

## my materials

write down the materials you plan to mix into your cabbage juice potion

_____	_____
_____	_____
_____	_____
_____	_____

Notes to parents: We give one spot below for materials but you can mix multiple chemicals in any trial (although we recommend not doing extra mixing with harsh kitchen cleaners if you are using them). For older elementary, you might consider talking about acids, bases, and neutral materials prior to the activity, and then predict what color the juice will turn based on your knowledge of the material's property. (e.g. we know vinegar is acidic and acids mixed with cabbage juice turn red, so I predict vinegar + cabbage will turn red). If this is too advanced, it's okay for kids to circle "not sure" or skip the prediction and simply record the outcome.

### Trial 1:

I am mixing \_\_\_\_\_

I predict the cabbage juice will: (circle one)

TURN RED

TURN GREEN

STAY PURPLE

NOT SURE

What color is the cabbage juice after mixing in the chemical (circle one)?

RED(or PINK)

GREEN (or BLUE-GREEN)

PURPLE

### Trial 2:

I am mixing \_\_\_\_\_

I predict the cabbage juice will: (circle one)

TURN RED

TURN GREEN

STAY PURPLE

NOT SURE

What color is the cabbage juice after mixing in the chemical (circle one)?

RED(or PINK)

GREEN (or BLUE-GREEN)

PURPLE

## Science at Home: pH Potion Worksheet (K-5)

### Trial 3:

I am mixing \_\_\_\_\_

I predict the cabbage juice will: (circle one)

TURN RED

TURN GREEN

STAY PURPLE

NOT SURE

What color is the cabbage juice after mixing in the chemical (circle one)?

RED(or PINK)

GREEN (or BLUE-GREEN)

PURPLE

### Trial 4:

I am mixing \_\_\_\_\_

I predict the cabbage juice will: (circle one)

TURN RED

TURN GREEN

STAY PURPLE

NOT SURE

What color is the cabbage juice after mixing in the chemical (circle one)?

RED(or PINK)

GREEN (or BLUE-GREEN)

PURPLE

### Trial 5:

I am mixing \_\_\_\_\_

I predict the cabbage juice will: (circle one)

TURN RED

TURN GREEN

STAY PURPLE

NOT SURE

What color is the cabbage juice after mixing in the chemical (circle one)?

RED(or PINK)

GREEN (or BLUE-GREEN)

PURPLE

## Science at Home: pH Potion Worksheet (K-5)

### Trial 6:

I am mixing \_\_\_\_\_

I predict the cabbage juice will: (circle one)

TURN RED

TURN GREEN

STAY PURPLE

NOT SURE

What color is the cabbage juice after mixing in the chemical (circle one)?

RED(or PINK)

GREEN (or BLUE-GREEN)

PURPLE

### Trial 7:

I am mixing \_\_\_\_\_

I predict the cabbage juice will: (circle one)

TURN RED

TURN GREEN

STAY PURPLE

NOT SURE

What color is the cabbage juice after mixing in the chemical (circle one)?

RED(or PINK)

GREEN (or BLUE-GREEN)

PURPLE

### Trial 8:

I am mixing \_\_\_\_\_

I predict the cabbage juice will: (circle one)

TURN RED

TURN GREEN

STAY PURPLE

NOT SURE

What color is the cabbage juice after mixing in the chemical (circle one)?

RED(or PINK)

GREEN (or BLUE-GREEN)

PURPLE

