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

COLOR-CHANGING POTION

| my materials write down the mater | rials you plan to mix into you | ur cabbage juice potion | |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | |
| doing extra mixing with he bases, and neutral mater material's property. (e.g. 1 | arsh kitchen cleaners if you are u ials prior to the activity, and ther | ising them). For older elementa predict what color the juice will ids mixed with cabbage juice tu | als in any trial (although we recommend not ry, you might consider talking about acids, I turn based on your knowledge of the urn red, so I predict vinegar + cabbage will tu simply record the outcome. |
| Trial 1: | | | |
| I am mixing | | | |
| I predict the ca | bbage juice will: (c | ircle one) | |
| TURN RED | TURN GREEN | STAY PURPLE | NOTSURE |
| What color is t | he cabbage juice af | ter mixing in the c | hemical (circle one)? |
| RED(or PINK) | GREEN (or BLI | JE-GREEN) | PURPLE |
| Trial 2: | | | |
| | | | |
| | ıbbage juice will: (c | ircle one) | |
| TURN RED | TURN GREEN | STAY PURPLE | NOT SURE |
| What color is t | he cabbage juice af | ter mixing in the c | hemical (circle one)? |
| RED(or PINK) | GREEN (or BLI | JE-GREEN) P | PURPLE |

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| Trial 3: | | | | | |
|----------------------|------------------------|------------------|---------|-------------------|-----|
| I am mixing | | | | | |
| I predict the ca | abbage juice will: (ci | rcle one) | | | |
| TURN RED | TURN GREEN | STAY PURP | PLE | NOT SURE | |
| What color is t | he cabbage juice af | ter mixing in th | ne cher | nical (circle on | e)? |
| RED(or PINK) | GREEN (or BLU | JE-GREEN) | PURI | PLE | |
| | | | | | |
| Trial 4: I am mixing | | | | | |
| I predict the ca | bbage juice will: (ci | rcle one) | | | |
| TURN RED | TURN GREEN | STAY PURP | LE | NOT SURE | |
| What color is tl | ne cabbage juice af | ter mixing in th | e chen | nical (circle one | ∍)? |
| RED(or PINK) | GREEN (or BLUE-GREEN) | | | PURPLE | |
| | | | | | |
| Trial 5: | | | | | |
| | | | | | |
| | bbage juice will: (cii | rcle one) | | | |
| TURN RED | TURN GREEN | STAY PURP | LE | NOT SURE | |
| What color is th | ne cabbage juice aft | er mixing in th | e chem | nical (circle one | ;)? |
| RED(or PINK) | GREEN (or BLU | E-GREEN) | PUR | RPLE | |

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| Trial 6: | | | | | |
|------------------|-------------------------|------------------|--------|-----------------|-----|
| I am mixing | | | | | |
| I predict the ca | bbage juice will: (cir | cle one) | | | |
| TURN RED | TURN GREEN | STAY PURPL | .E | NOT SURE | |
| What color is th | ne cabbage juice aft | er mixing in the | chemi | cal (circle on | e)? |
| RED(or PINK) | GREEN (or BLUI | E-GREEN) | PURPL | .E | |
| | | | | | |
| Trial 7: | | | | | |
| | | | | | |
| | bbage juice will: (cire | cle one) | | | |
| TURN RED | TURN GREEN | STAY PURPL | E | NOT SURE | |
| What color is th | ne cabbage juice afte | er mixing in the | chemi | cal (circle one | ∍)? |
| RED(or PINK) | GREEN (or BLUE | E-GREEN) | PURF | PLE | |
| | | | | | |
| - 4 4 - | | | | | |
| Trial 8: | | | | | |
| lam mixing | | | | | |
| predict the cal | obage juice will: (circ | cle one) | | | |
| TURN RED | TURN GREEN | STAY PURPLI | Ε | NOT SURE | |
| What color is th | e cabbage juice afte | er mixing in the | chemic | cal (circle one | :)? |
| RED(or PINK) | GREEN (or BLUE | -GREEN) | PURP | LE | |

ELEMENTARY SCIENCE MADE EASY TM

Physical Science

| Observations Make additional observations here! | |
|-----------------------------------------------------------------------------|---|
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| What did you learn from this activity? What questions do you still have? | |
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