

Chemical Magic

Name: _____

Date: _____

Mystery 3: What would happen if you drank
a glass of acid?

End of Mystery Assessment

ANSWER KEY

1. What does it mean that an acid is “reactive?” Explain and give examples of reactions.

LESS sophisticated response:

It means that an acid reacts with lots of things. For example, if you put acid on sugar, it turns black and starts puffing up.

MORE sophisticated response:

It means that an acid reacts with lots of different substances. For example, when acid is mixed with bean water, the bean water changes color. When acid is mixed with baking soda, everything starts to fizz. Or when metal is put in acid, the metal dissolves.

2. Why are some acids used in food?

LESS sophisticated response:

Because they taste sour.

MORE sophisticated response:

All acids have a sour taste, so some of the weaker acids are used in food in order to give the food a sour flavor.

3. Are all acids dangerous? Give examples to show what you mean.

LESS sophisticated response:

No, not all acids are dangerous, for example lemon juice.

MORE sophisticated response:

No, not all acids are dangerous. It depends on how strong they are. For example, vinegar and lemon juice are both weak acids. They are safe enough to eat.