

ION EXPERIMENT

For each of the following substances, predict whether it will conduct electricity or not conduct electricity. Write a Y on the space before the substance if you think it will. Write a N if you think it will not. Use the space after each substance to write the actual results of the experiment.

___ DISTILLED WATER _____

___ TABLE SALT _____

___ DRAIN CLEANER _____

___ AMMONIA _____

___ BATTERY ACID _____

___ CITRIC ACID _____

___ BAKING SODA _____

___ VINEGAR _____

___ TAP WATER _____

___ SUGAR _____

ELECTROLYTE - solution that contains _____. They are / are not able to conduct electricity

TYPES OF ELECTROLYTES

1. **STRONG ELECTROLYTES** - contain _____ ions. These are _____ conductors of electricity.

Examples:

2. **WEAK ELECTROLYTES** - contain only a _____ amount of ions. These are _____ conductors of electricity.

Examples:

NON-ELECTROLYTES - contain _____ ions. These do / do not conduct electricity.

Examples: