

Unit 6 Chemical Equations Guided Notes

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- AKA
- _____ react to form _____
- REVIEW Evidence that chemical reaction has occurred:
 1. Formation of a _____
 2. Formation of a _____
 3. Change in _____
 4. Change in or production of _____
 5. Change in _____
 6. Change in _____ or _____
 - Exothermic:
 - Endothermic:
- Formulas show chemistry _____. Equations show chemistry _____.
- Equations show:
 - 1.
 - 2.
 - 3.
- Two Important Principles
 1. Every chemical compound has _____
_____.
 2. A chemical reaction must obey _____,
which states _____
_____.
- General formula for equations:

- Symbols used in equations

Symbol	Meaning	Symbol	Meaning

- Word Equations

- Skeleton Equations

- Balanced Chemical Equations

1. Reflect the _____.
- 2.

Reaction: Carbonic acid decomposes to produce water and carbon dioxide gas.

Word Equation:

Skeleton Equation:

Balanced Equation:

Reaction: Magnesium ribbon reacts with oxygen in the air to produce solid magnesium oxide.

Word Equation:

Skeleton Equation:

Balanced Equation:

Reaction: Hydrogen and oxygen gases combine to form water.

Word Equation:

Skeleton Equation:

Balanced Equation:

Subscripts

Coefficients