| Name: | Group: | Date: |
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CHEMICAL CHANGES

| 1 PAGES 50 TO 5 |
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Complete this concept review handout and keep it as a record of what you have learned.

DEFINITION

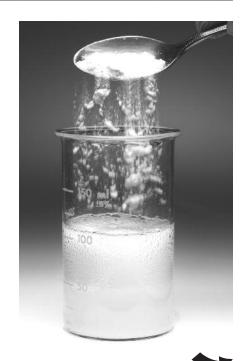
| A chemical change | |
|-------------------|--|
| | |

CHEMICAL REACTION OR CHEMICAL CHANGE

| The law of conservation of mass states: |
|---|
| During a chemical reaction one or more substances, called |
| During a chemical change, the number of atoms stays |

CLUES TO HELP RECOGNIZE CHEMICAL CHANGES

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EXAMPLE OF A CHEMICAL REACTION

| efore the chemic | $H_2 + Cl_2 \rightarrow 2 HCl$ | reaction After the chemical reaction | umber of atoms Product Number of atoms | atoms of H | |
|-----------------------|--------------------------------|--------------------------------------|--|---------------------------|---|
| Reagents $H_2 + CI_2$ | _ | Before the chemical reaction | Number of | $H_2 + Cl_2$ 2 atoms of H | J |

TYPES OF CHEMICAL CHANGES

| Chemical change Chemical change | Definition Definition | Energy use |
|----------------------------------|-----------------------|------------|
|----------------------------------|-----------------------|------------|