

Name: Answer Key

Test Date: _____

Study these vocabulary words:

- Matter
- Atom
- Evaporation
- Condensation
- Magnetism
- Solid
- Liquid
- Gas
- Physical change
- Chemical change
- Solution
- Mixture

★ Use vocab cards
to study these
words

Think about:

- List at least three changes that are physical and three that are chemical. Explain why you put each in that category.

Physical

1. glass breaking
2. ice cream melting
3. paper ripped in half

} no new matter is formed

Chemical

1. baking a cake
2. rusty bike
3. burning leaves

} new matter is formed

- Are the changes you listed reversible and some that are irreversible? Explain.

The ice cream can be put back in the freezer and refreeze. The other items cannot go back to the way they were before.

Physical

1. irreversible
2. reversible
3. irreversible

Chemical

1. irreversible
2. irreversible
3. irreversible

- What causes magnets to be attracted to objects?


Magnets are attracted to objects that have iron in them.

- Explain what the atoms look like in each state of matter.


Solid


tightly packed

Liquid


more loose,
slide past each other

Gas


fast moving,
bouncing into each other