

Name: \_\_\_\_\_

Date: \_\_\_\_\_



# Mixtures

**homogeneous mixture:** These mixtures have a constant composition throughout the solution. For example: salt or sugar and water, the air we breath is a solution of gases. A *solution* is a homogeneous mixture of two or more substances.

**heterogeneous mixture:** heterogeneous mixtures are mixtures with indefinite composition, for example, salad is a typical example of this kind of mixture. Other examples include: sand and iron filings or poppy seeds, salt and sugar mixed together, and trail mix.

## Investigation

- 1) A delicious cookie will be placed in front of you.
- 2) **Do NOT eat** the cookie!!!
- 3) Observe your cookie. How is your cookie both like a homogeneous mixture and a heterogeneous mixture? Write about it in the space provided below, then discuss it briefly with your neighbor.

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