

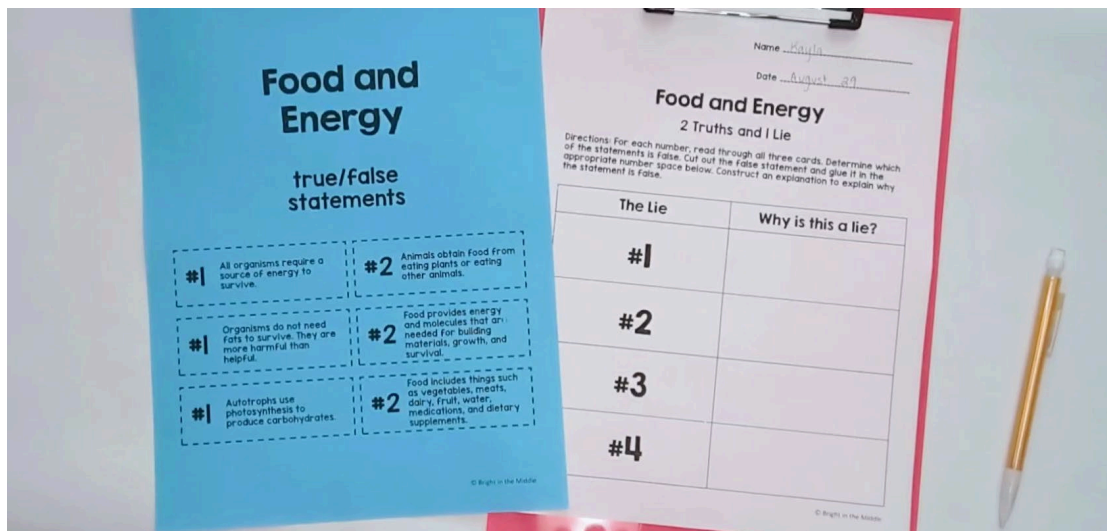
Teacher's Guide

Food and Energy - Organism Building Materials - 2 Truths and I Lie

Students will:

- Play a game of 2 truths and I lie to learn more about organisms' building materials in relation to food and energy.
- "construct an explanation to summarize how food provides the energy, and the building materials required for the growth and survival of all organisms (to include plants)."

There are 10 questions in all!



This activity covers:

- heterotrophs vs. autotrophs
- role of nutrients in a healthy diet
- why all organisms must use food as a source of energy and building materials
- photosynthesis and cellular respiration
- cellular respiration vs. digestion
- and more!

This activity is a great summary activity and pairs well with these lessons: [The Role of Food in Organisms](#), [Macronutrients](#), [Healthy Living](#), and [Photosynthesis and Cellular Respiration](#).

- Students read through a “2 truths and 1 lie” problem. There are 10 in all.
- They determine which of the statements is false.

Name _____
Date _____

Food and Energy

2 Truths and 1 Lie

Directions: For each number, read through all three cards. Determine which of the statements is false. Cut out the false statement and glue it in the appropriate number space below. Construct an explanation to explain why the statement is false.

The Lie	Why is this a lie?
#1	
#2	
#3	
#4	

Food and Energy

true/false statements

<p>#1 All organisms require a source of energy to survive.</p>	<p>#2 Animals obtain food from eating plants or eating other animals.</p>
<p>#1 Organisms do not need fats to survive. They are more harmful than helpful.</p>	<p>#2 Food provides energy and molecules that are needed for building materials, growth, and survival.</p>
<p>#1 Autotrophs use photosynthesis to produce carbohydrates.</p>	<p>#2 Food includes things such as vegetables, meats, dairy, fruit, water, medications, and dietary supplements.</p>

© Bright in the Middle

**Then, they
explain
WHY the
statement
is false.**

Name

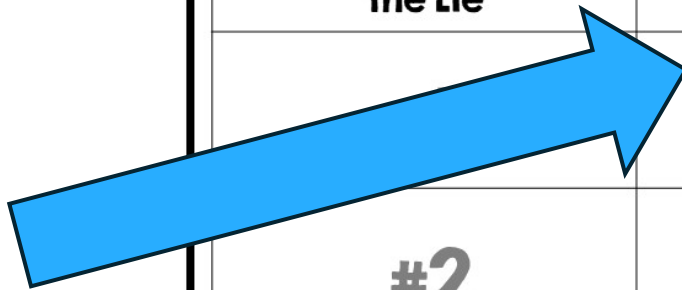
Date

Food and Energy

2 Truths and 1 Lie

Directions: For each number, read through all three cards. Determine which of the statements is false. Cut out the false statement and glue it in the appropriate number space below. Construct an explanation to explain why the statement is false.

The Lie	Why is this a lie?
#2	
#3	
#4	



© Bright in the Middle

This a great summary activity for reviewing the building materials that organism need regarding energy (includes plants and animals).

This activity covers:

- **heterotrophs vs. autotrophs**
- **role of nutrients in a healthy diet (macro and micro)**
- **why all organisms must use food as a source of energy and building materials**
- **photosynthesis and cellular respiration**
- **cellular respiration vs. digestion**
- **and more!**

**A DIGITAL
VERSION AND A
PAPER VERSION
(CUT AND GLUE) IS
INCLUDED!**

**A sample
answer key is
also included!**