

Active Science Vocabulary

Ecosystems, Force & Motion, Human Body,
Matter, Thermal Energy, & Weather

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Vocabulary Units Include:

- Student-friendly definitions
- Interactive Partner Activities
- Graphic Organizers
- Assessments
- Blackline Masters

*Transforming comprehension
through vocabulary!*

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Table of Contents

Unit Word Lists.....	1	Unit 2 Agree or Disagree.....	54
OSWS 4 Step Vocabulary Model.....	2-5	Unit 2 Force and Motion Assessment.....	55
Explanation of Sample Units.....	6	Unit 2 Force and Motion Assessment Answer Key.....	60
Unit 1 Ecosystems.....	7-8	Unit 2 Force and Motion D.O.K. Questions.....	61
Unit 1 Ecosystems Vocabulary Organizer.....	9	Unit 3 Human Body.....	62-63
Unit 1 Ecosystems Connection Activities....	18-19	Unit 3 Human Body Vocabulary Organizer.....	64
Unit 1 Who Can Answer?.....	20	Unit 3 Human Body Connection Activities.....	73-74
Unit 1 Write-Share-Check.....	21	Unit 3 Who Can Answer?	75
Unit 1 Tic-Tac-Toe.....	22	Unit 3 Write-Share-Check.....	76
Unit 1 Cloze Passages.....	23	Unit 3 Tic-Tac-Toe.....	77
Unit 1 Know Your Word.....	24	Unit 3 Cloze Passage.....	78
Unit 1 Comprehension Check.....	25	Unit 3 Word Comic.....	79
Unit 1 Ecosystem Assessment.....	26	Unit 3 Know Your Word.....	80
Unit 1 Ecosystem Assessment Answer Key.....	30	Unit 3 Letter Drain.....	81
Unit 1 Ecosystem D.O.K. Questions.....	31	Unit 3 Human Body Assessments.....	82
Unit 2 Force and Motion.....	32-33	Unit 3 Human Body Assessment Answer Key.....	86
Unit 2 Force and Motion Graphic Organizer....	34	Unit 3 Human Body D.O.K. Questions.....	87
Unit 2 Force and Motion Connection Activities.....	47-48	Unit 4 Matter.....	88-89
Unit 2 Talk It Up!	49	Unit 4 Matter Vocabulary Organizer.....	90
Unit 2 Quick Write.....	50	Unit 4 Matter Connection Activities.....	97-98
Unit 2 The Missing Word.....	51	Unit 4 Quick Write.....	99
Unit 2 True-False-True.....	52		

Unit Word Lists

Unit 1: Ecosystems

Organism
Ecosystem
Habitat
Abiotic
Biotic
Consumer
Producer
Decomposer
Photosynthesis
Herbivore
Omnivore
Carnivore
Predator
Prey
Food chain
Food web
Terrestrial
Aquatic

Unit 2: Force and Motion

Force
Motion
Gravity
Energy
Mass
Interaction
Push
Pull
Friction

Traction
Momentum
Distance
Speed
Inertia
Drag
Acceleration
Velocity
Direction
Position
Thrust

Unit 3: Human

Body
Organism
Transport
Unicellular
Multicellular
Inhale
Exhale
Waste
Nutrients
Reduce
Beneficial
Absorb
Acquire
Digest
Characteristics
Offspring
Inherit
Cell

Unit 4: Matter

Expand
Contract
Matter
Mass
Reverse
Physical change
Chemical change
Mixture
Solution
Qualitative
Quantitative
Boiling
Dissolve

Unit 5: Thermal

Energy
Transfer
Heat
Temperature
Dense
Conduction
Convection
Radiation
Conductor
Insulator
Water cycle
Transpiration
Condensation
Run-off
Precipitation

Evaporation

Unit 6: Weather

Weather
Climate
Forecast
Humidity
Air pressure
Cumulus
Cirrus
Stratus
Evaporation
Condensation
Air mass
Fronts
Equator
Hemisphere
Longitude
Latitude
El Niño
La Niña



Tic-Tac-Toe

Directions: Decide if you are an X or O. With a partner, read each statement and decide which vocabulary word best describes the underlined word in each statement. Use the word bank and context clues to help you choose the best answer. Your goal is to get three in a row (horizontally, vertically, or diagonally).

organism	ecosystem	habitat	biotic	abiotic
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A whale lives in the ocean. Word: _____	Consumers are living things that eat other living things. Word: _____	Insects live under rocks. Word: _____
Deer eat grass and berries in order to survive in the forest. Word: _____	Teacher Example Word: _____	Monkeys, jaguars, toucans and a variety of plants can be found in the rainforest. Word: _____
A bird living in a tree. Word: _____	Fish use their sense of smell in order to hunt their prey in a lake. Word: _____	The sun is needed in order for a plant to survive. Word: _____

Letter Drain

With your group, write down as many words or phrases under each category that begins with the letter in the first column. Earn one point for each scientifically correct example.

Assign a random letter below:	Category 1: Organism	Category 2: Unicellular	Category 3: Multicellular
H	Example: Human	Example: Hard to see	Example: Horse
L			
D			
O			
T			

Agree or Disagree

Directions: Read each statement and decide whether you agree or disagree. In the explanation box, write why you agree or disagree.

Statement	Agree/Disagree	Explanation
Sarah left a glass of ice water outside on a sunny day. Her brother asked what happened to the ice. Sarah explained to her brother that a physical change occurred. Do you agree or disagree with Sarah?		
On Monday, Mr. Parker wrote the following on his board, "Physical changes cannot be reversed." Do you agree or disagree with Mr. Parker?		
In class, our teacher showed a video of a chemical change with fireworks exploding. Do you agree this was a correct example of a chemical change?		
On Stephanie's science project she wrote there are four different types of matter. Do you agree or disagree?		

Unit 5: Thermal Energy

DOK Question Examples

Directions: On your own sheet of paper, choose one question per level to answer.

Example Rubric:

3	2	1	NS
Answers 3 questions completely and accurately.	Answers 2 out of 3 questions completely and accurately.	Answers 1 out of 3 questions completely and accurately.	Not able to answer any question completely or accurately.

Level 1	Can you recall the types of heat transfer? What might you include on a list about the water cycle?
Level 2	How would you apply what you learned to develop an example of conduction? How are conductors and insulators alike? Different?
Level 3	How is precipitation related to run-off? Can you predict the outcome of the Water Cycle if the Sun was non-existent?

Active Science Vocabulary



This book is a useful resource for planning or supplementing weekly vocabulary lessons.

Our teacher-friendly format provides a simple, efficient method for planning, teaching and assessing words within a five day schedule. Lessons are supplemental and can be taught daily in a 10-15 min. time period.

Our science vocabulary units address the following topics:

- Ecosystems
- Human Body
- Thermal Energy
- Force and Motion
- Matter
- Weather

Units include:

- Key vocabulary terms with student friendly definitions
- Lists with sentence examples
- Graphic Organizers (OSWS Anchor Vocabulary Organizer)
- Connection Activities
- Multiple Choice Assessments
- Black-line Masters for copying

