

SCIENCE PRIORITIES AND RESOURCES

Students will need to know science at every grade. Some of the ISAT reading passages are about science topics. And science is essential to learning about our world. Students in grades 4 and 7 can write “extended responses” to science texts they read.

The following pages list words students will need to know to succeed on ISAT. You can choose topics that relate to these words so that students get to use them to explain that science.

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Fourth Grade ISAT Science Vocabulary

When students take the ISAT science test, they will need to be able to comprehend science explanations and questions. The following list includes some important 4th grade level science content words and some words that are used to ask students to interpret information on the test. The list includes words from the ISAT 2008 Sample Test for Fourth Grade.

Ways to help students develop fluency with these words include:

- Make a glossary
- Group words by root words
- Group words by topic
- Write about a topic in science using some of these words.
- Make a cross-word puzzle or matching game with these words.

amount	attract
attraction	carnivore
carnivorous	cause
charged	compare
conclude	conclusion
conclusive	contrast
data	decompose
density	dense
diagram	effect
erosion	erode
estimate	estimation
expand	experiment
friction	gas
graph	identify
identification	intensity
invertebrate	lever
liquid	measure
measurable	negative
nutrient	nutrition
nutritious	particle
photosynthesis	plane
pole	positive
predatory	prey
predict	prediction
pressure	predator
relate	relationship
repel	resource
similar	similarity
solid	temperature
variable	vary
vertebrate	weigh

Seventh Grade ISAT Science Vocabulary

When students take the ISAT science test, they will need to be able to comprehend science explanations and questions. The following list includes some important 7th grade level science content words and some words that are used to ask students to interpret information on the test. The list includes words from the ISAT 2008 Sample Test for Seventh Grade.

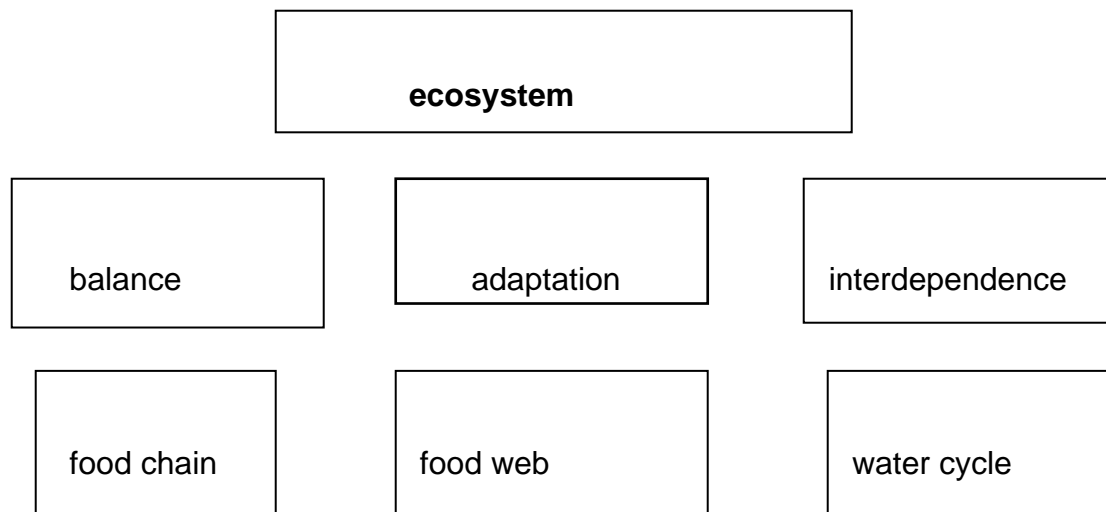
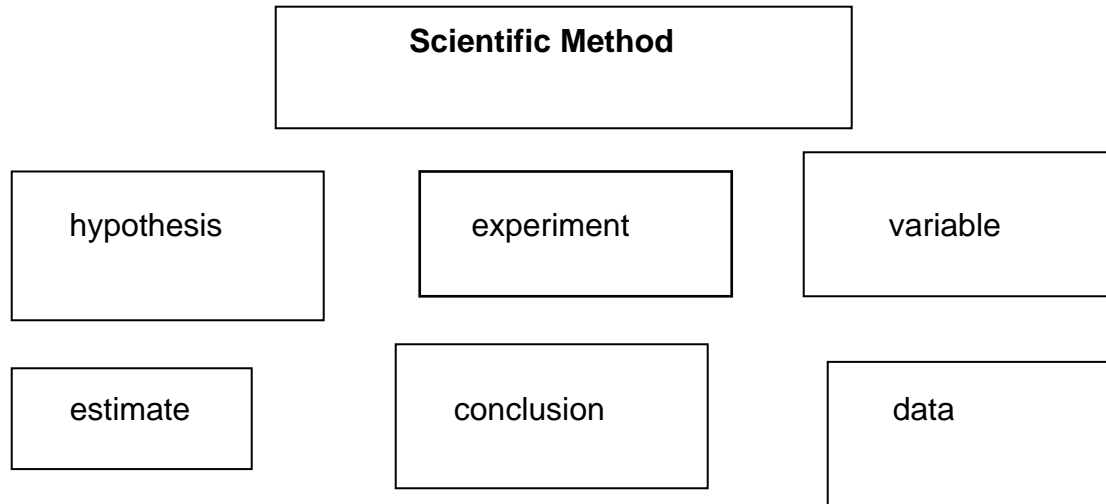
Ways to help students develop fluency with these words include:

- Make a glossary.
- Group words by root words.
- Group words by topic.
- Write about a topic in science using some of these words.
- Make a crossword puzzle or matching game with these words.

amoeba	analysis	analyze
average	bacteria	bacterium
base	bio (prefix)	biodegradable
biodegrade	buoy	buoyancy
buoyant	carnivore	carnivorous
cause	compare	comparison
conclude	conclusion	conclusive
condensation	condense	constellation
consume	consumption	contrast
degrade	diagram	diffraction
Diffuse	diffusion	dominant
dominate	effect	erode
erosion	estimate	estimation
exert	factor	flagellum
friction	granite	graph
herb	herbivore	identification
identify	igneous	litmus paper
mass	measurable	measure
media	medium	meiosis
mitosis	obsidian	omni- (prefix)
omnivore	orbit	osmosis
palmate	parasite	pinnate
pole	predict	prediction
rate	recess	recessive
reflect	reflection	refract
refraction	relate	relationship
reproduce	reproduction	sedimentary
separation	sequence	sequential
similar	similarity	trend
volume		

Set up Science Word Exhibits—ask students to add words and illustrations.

Examples of Science Vocabulary Word Walls



Science Writer

Topic: _____

What are some important words to know to understand this topic?

Word	What It Means

What's important to know about this science topic?

How to Summarize

ILS 1B: I can summarize nonfiction.

Topic: _____

List the “top ten” words that are part of what you read about it.

What are the two or three most important points you find in your reading?

Write a one-paragraph summary. Include the most important information.
