

ELEMENTARY SCIENCE VOCABULARY REVIEW

I HAVE,

FREE CLASSROOM PRINTABLES

READY TO USE

WHO HAS?

- Enhance student participation
- Promote active student review
- Keep instruction interesting
- Easily adjust to different topics
- Engage every level of learner
- Incorporate formative assessment

I HAVE: Liquid	WHO HAS: A measure of the total amount of matter contained within an object
I HAVE: Mass	WHO HAS: A characteristic of a substance that can be observed (color, taste, texture, etc.)
I HAVE: Physical Property	WHO HAS: Facts or statistics gathered from experimentation
I HAVE: Data	WHO HAS: The simplest or smallest unit of an element; atoms make up all matter
I HAVE: Atom	WHO HAS: A measure of the amount of gravity acting on an object's mass
I HAVE: Weight	WHO HAS: The most tightly packed state of matter; molecules may only vibrate against one another
I HAVE: Solid	WHO HAS: Energy of moving particles (thermal energy)
I HAVE: Heat	WHO HAS: A classification (grouping) of matter based on the interactions of its molecules
I HAVE: State of Matter	WHO HAS: The ability to do work, may exist as heat, solar energy or motion
I HAVE: Energy	WHO HAS: A particle made of atoms joined together



Engaging Instruction. Easy Implementation. Proven Results.

I Have, Who Has

Instructions

Group Participation:

1. Cut along the dotted line to separate each "I Have, Who Has" prompt.
2. Group students into pairs or groups of three.
3. Shuffle the prompts and pass out at least one prompt to each group of students.
 - *Some groups may receive more than one prompt.
4. Call on a group of students to begin the activity by standing up and reading their "Who Has" prompt.
5. The group that has the corresponding "I Have" term will stand up and read their entire slip, ending with the "Who Has" prompt.
6. The activity will continue until the beginning group matches their "I Have" term to the final "Who Has" prompt.

Individual Participation:

1. Follow the same procedure as above using "I Have, Who Has" lists from multiple units.
2. Pass out at least one or two prompts to every student.
 - *A few terms may be duplicated across unit vocabulary lists. Be sure that any student who calls out an "I Have" term reads the "Who Has" prompt from the unit list you are currently using in the activity.
 - *Once a unit list is completed you will need to start the next list by calling on a student to begin by reading a "Who Has" prompt from another list.

ANSWER KEY:

Make a separate copy of each list to preserve as an answer key. Do NOT cut this list apart.

The corresponding term for each definition is located on the following line.

The corresponding term for the last definition is located on the first line.

See example.

I HAVE: Water Cycle	WHO HAS: Device that measures air pressure
I HAVE: Barometer	WHO HAS: Occurs when water vapor cools and turns into a liquid
I HAVE: Condensation	WHO HAS: Layered low level clouds; indicate chances of rain
I HAVE: Stratus Clouds	WHO HAS: Edge of a warm air mass; brings heavy rain
I HAVE: Warm Front	WHO HAS: Weight of the Earth's atmosphere pressing down upon its surface
I HAVE: Air Pressure	WHO HAS: Occurs when liquid water turns into a gas (water vapor)
I HAVE: Evaporation	WHO HAS: Device that measures wind speed
I HAVE: Anemometer	WHO HAS: Evaporation of water out of the leaves of plants
I HAVE: Transpiration	WHO HAS: Thin, feathery high level clouds; indicate clear weather
I HAVE: Cirrus Clouds	WHO HAS: Warm water current that warms coastal weather
I HAVE: Gulf Stream	WHO HAS: Water that falls as rain, snow, sleet or hail
I HAVE: Precipitation	WHO HAS: Air current that affects weather in North America
I HAVE: Jet Stream	WHO HAS: Puffy low level clouds
I HAVE: Cumulus Clouds	WHO HAS: The cycle that moves water across the planet and throughout the atmosphere

I Have, Who Has - Activity from LearnEdNotebooks.com

Properties of Matter

I HAVE: Matter	WHO HAS: Data based on numerical findings
I HAVE: Quantitative	WHO HAS: A state of matter in which molecules may move freely but cannot expand indefinitely
I HAVE: Liquid	WHO HAS: A measure of the total amount of matter contained within an object
I HAVE: Mass	WHO HAS: A characteristic of a substance that can be observed (color, taste, texture, etc.)
I HAVE: Physical Property	WHO HAS: Facts or statistics gathered from experimentation
I HAVE: Data	WHO HAS: The simplest or smallest unit of an element; atoms make up all matter
I HAVE: Atom	WHO HAS: A measure of the amount of gravity acting on an object's mass
I HAVE: Weight	WHO HAS: The most tightly packed state of matter; molecules may only vibrate against one another
I HAVE: Solid	WHO HAS: Energy of moving particles (thermal energy)
I HAVE: Heat	WHO HAS: A classification (grouping) of matter based on the interactions of its molecules
I HAVE: State of Matter	WHO HAS: The ability to do work, may exist as heat, solar energy or motion
I HAVE: Energy	WHO HAS: A particle made of atoms joined together
I HAVE: Molecule	WHO HAS: A state of matter that is capable of infinite expansion
I HAVE: Gas	WHO HAS: Composes any physical substance

I Have, Who Has - Activity from LearnEdNotebooks.com

Forces of Motion

I HAVE: Force	WHO HAS: The vertical axis on a graph (shows distance on a distance-time graph)
I HAVE: y-axis	WHO HAS: Occurs when the net force is zero and there is no change in the object's motion
I HAVE: Balanced Force	WHO HAS: Works against or slows motion
I HAVE: Resistance	WHO HAS: Composes any physical substance
I HAVE: Matter	WHO HAS: Measure of the inertia of an object; depends on the amount of matter the object contains
I HAVE: Mass	WHO HAS: The horizontal axis on a graph (shows time on a distance-time graph)
I HAVE: x-axis	WHO HAS: Forces that act in opposite directions; they are subtracted
I HAVE: Opposing Forces	WHO HAS: Occurs when two objects rub against each other, slowing their motion
I HAVE: Friction	WHO HAS: The total force acting on an object
I HAVE: Net Force	WHO HAS: Force that acts between any two masses
I HAVE: Gravity	WHO HAS: Line graph used to show the speed of a moving object
I HAVE: Distance-Time Graph	WHO HAS: Forces that act in the same direction; they are added together
I HAVE: Combined Forces	WHO HAS: The process of being moved from one place to another
I HAVE: Motion	WHO HAS: A push or pull that changes the speed or direction of an object

I Have, Who Has - Activity from LearnEdNotebooks.com

Energy on Earth

I HAVE: Energy	WHO HAS: The transfer of energy through a liquid or gas
I HAVE: Convection	WHO HAS: Form of energy that causes things to become hot (thermal energy)
I HAVE: Heat	WHO HAS: Transverse wave that does not require a medium through which to travel
I HAVE: Electromagnetic Wave	WHO HAS: Occurs with the addition of heat energy
I HAVE: Warming	WHO HAS: State of the atmosphere at a certain place at a specific time
I HAVE: Weather	WHO HAS: Movement of energy from one source to another source
I HAVE: Energy Transfer	WHO HAS: The transfer of energy through a solid substance or by direct contact
I HAVE: Conduction	WHO HAS: Energy of heat (moving particles)
I HAVE: Thermal Energy	WHO HAS: A disturbance in matter that transfers energy through matter or space
I HAVE: Wave	WHO HAS: A measurement of the amount of heat in a substance
I HAVE: Temperature	WHO HAS: The layers of gases that surround the Earth
I HAVE: Atmosphere	WHO HAS: Occurs with the removal or loss of heat energy
I HAVE: Cooling	WHO HAS: The average temperature, precipitation, humidity, air pressure, and wind in a given location
I HAVE: Climate	WHO HAS: The ability to do work

I Have, Who Has - Activity from LearnEdNotebooks.com

Weather

I HAVE: Water Cycle

WHO HAS: Device that measures air pressure

I HAVE: Barometer

WHO HAS: Occurs when water vapor cools and turns into a liquid

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WHO HAS: Layered low level clouds; indicate chances of rain

I HAVE: Stratus Clouds

WHO HAS: Edge of a warm air mass; brings heavy rain

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I Have, Who Has - Activity from LearnEdNotebooks.com

Cells & Genetics

I HAVE: Cell	WHO HAS: Describes a characteristic or trait received from a previous generation (parent)
I HAVE: Inherited	WHO HAS: A child or new organism produced from a parent
I HAVE: Offspring	WHO HAS: An organism that is made of more than one cell
I HAVE: Multicellular	WHO HAS: Relates to a specific function (example: all muscle cells help with movement)
I HAVE: Specialized	WHO HAS: A group of the same type of cells working together to carry out a function
I HAVE: Tissue	WHO HAS: A segment of DNA that gives information about a specific trait
I HAVE: Gene	WHO HAS: A group of similar organs working together to keep the body healthy
I HAVE: Body System	WHO HAS: An organism that is made of only one cell
I HAVE: Unicellular	WHO HAS: An observable feature in a living organism (ex: eye color or hair color)
I HAVE: Trait	WHO HAS: A living thing that is made of cells and carries out many different functions for survival
I HAVE: Organism	WHO HAS: The “molecule of life” that makes your traits or characteristics appear
I HAVE: DNA	WHO HAS: A part of an organism that carries out a special task to help it survive (stomach, kidney, liver)
I HAVE: Organ	WHO HAS: The wide range of traits and characteristics across a group of similar organisms
I HAVE: Diversity	WHO HAS: Makes up all living things (also known as the simplest unit of life)

I Have, Who Has - Activity from LearnEdNotebooks.com

Structure & Function of Life

I HAVE: Body System	WHO HAS: Allows cell to cell communication; sends impulses along a network of nerves
I HAVE: Nervous System	WHO HAS: A part of an organism that carries out a special task to help it survive (stomach, kidney, liver)
I HAVE: Organ	WHO HAS: The study of the structure and function of an organism's body
I HAVE: Anatomy	WHO HAS: Relates to eating food and vitamins to stay healthy
I HAVE: Nutrition	WHO HAS: Provides support and protection for the body (includes bones)
I HAVE: Skeletal System	WHO HAS: The process of taking in oxygen to help produce energy
I HAVE: Respiration	WHO HAS: Processes food and allows it to be changed into energy for the body
I HAVE: Digestive System	WHO HAS: Any living thing
I HAVE: Organism	WHO HAS: A measure of the physical condition of the body
I HAVE: Health	WHO HAS: Cycles blood throughout the body to deliver oxygen to cells
I HAVE: Circulatory System	WHO HAS: The gas needed to survive and help produce energy
I HAVE: Oxygen	WHO HAS: Allows the body to move using different types of muscles
I HAVE: Muscular System	WHO HAS: The movement of materials throughout the body
I HAVE: Transport	WHO HAS: A group of similar organs working together to maintain the health of the body

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Ecosystems

I HAVE: Ecosystem	WHO HAS: A linear series of organisms that feed off of organisms from lower levels
I HAVE: Food Chain	WHO HAS: The process by which plants use sunlight to make sugar for food
I HAVE: Photosynthesis	WHO HAS: An organism that eats other organisms for food
I HAVE: Consumer	WHO HAS: The cycling of any type of valuable substance in an ecosystem (carbon, oxygen, nitrogen)
I HAVE: Nutrient Cycle	WHO HAS: An organism that breaks down dead material for fuel
I HAVE: Decomposer	WHO HAS: Any material that comes from living organisms
I HAVE: Organic Matter	WHO HAS: An organism that produces its own food using inorganic matter
I HAVE: Producer	WHO HAS: A diagram that shows how energy is transferred in an ecosystem
I HAVE: Energy Pyramid	WHO HAS: A nonliving factor that affects the organisms in an ecosystem
I HAVE: Abiotic Factor	WHO HAS: A complex system of organisms that feed off of or supply energy to multiple levels
I HAVE: Food Web	WHO HAS: Any substance that provides energy to organisms
I HAVE: Fuel	WHO HAS: Another name for a consumer (must get food from other sources)
I HAVE: Heterotroph	WHO HAS: A collection of the same type of species living in an area
I HAVE: Population	WHO HAS: A community of organisms living among their nonliving surroundings

I Have, Who Has - Activity from LearnEdNotebooks.com

Plants & Animals

I HAVE: Plant	WHO HAS: An organism that must eat other things to survive and use energy to function
I HAVE: Animal	WHO HAS: A community of organisms surrounded by a physical environment
I HAVE: Ecosystem	WHO HAS: Any ecosystem that is located only on land with a lower availability of water
I HAVE: Terrestrial	WHO HAS: Any ecosystem that is contained in a body of water (fresh water or salt water)
I HAVE: Aquatic	WHO HAS: Relationships among different organisms in an ecosystem
I HAVE: Interrelationships	WHO HAS: Forest characterized by precipitation and deciduous trees (lose their leaves in winter)
I HAVE: Deciduous Forest	WHO HAS: A grassy flatland in warm regions with few trees
I HAVE: Grassland	WHO HAS: Water that is free of salts; found in ecosystems such as lakes, ponds and rivers
I HAVE: Fresh Water	WHO HAS: Water that contains dissolved salts and minerals; found in marine habitats
I HAVE: Salt Water	WHO HAS: Aquatic ecosystem characterized by salt water; covers nearly 3/4 of the planet
I HAVE: Ocean	WHO HAS: A measure of the amount of dissolved salts in a solution
I HAVE: Salinity	WHO HAS: Runs along a shoreline and is under shallow water (before the deep ocean begins); high diversity
I HAVE: Continental Shelf	WHO HAS: Small organisms that drift in the oceans and other bodies of water; large food source
I HAVE: Plankton	WHO HAS: An organism that must photosynthesize in order to make its own food