

## Content Vocabulary to Clarify Science Learning

## SYSTEMS

The list is organized by topics.

Each grade's topics and terms correlate with the State Standards and Chicago Academic Framework.

Students in grades 5-8 may need also to review the words from earlier grades.

Students should illustrate the vocabulary and use it to make oral and written presentations to communicate what they learn about systems.

K	<p><i>What do I know about the <b>environment</b>?</i> hard smell soft</p> <p>CAS 12 A</p>	<p><i>How does <b>weather</b> work?</i> air cold rock warm</p> <p>CAS 12 E</p>	<p><i>What do I know about <b>water</b>?</i> lake river water wet</p> <p>CAS 12 E</p>	<p><i>What workers help _____ work?</i></p> <p>CAS 13 C</p>
1	<p><i>What do I know about <b>geology and weather</b>?</i> earth rock water weather</p> <p>CAS 12 E</p>	<p><i>How do <b>transportation and communication systems</b> work?</i> road sound transportation vibration</p> <p>CAS 13A</p>	<p><i>How does the <b>solar system</b> work?</i> earth moon season sun year</p> <p>CAS 12 F</p>	<p><i>What workers help _____ work?</i></p> <p>CAS 13 C</p>
2	<p><i>What do I know about <b>magnetic systems</b>?</i> attract magnet repel</p> <p>CAS 12 D</p>	<p><i>How do <b>weather systems interact with geology</b>?</i> rock soil water weather</p> <p>CAS 12 E</p>	<p><i>How does the <b>solar system</b> work?</i> earth galaxy moon solar system sun</p> <p>CAS 12 F</p>	<p><i>What workers help _____ work?</i></p> <p>CAS 13 C</p>
3	<p><i>What is the <b>weather system</b>?</i> landform lightning mountain storm thunder</p> <p>CAS 12 E</p>	<p><i>How does the <b>weather system interact with geology in soil formation</b>?</i> igneous metamorphic sedimentary soil</p> <p>CAS 12 E</p>	<p><i>How do <b>natural resources interact with technology</b>?</i> coal natural resource oil timber water</p> <p>CAS 12 E, 13 A</p>	<p><i>What careers are part of the _____ system?</i></p> <p>CAS 13 C</p>
4	<p><i>What do I know about <b>ecology</b>?</i> consumer environment food chain food web producer</p> <p>CAS 12 B</p>	<p><i>How does an <b>ecosystem</b> work?</i> climate prey produce season survive</p> <p>CAS 12 B</p>	<p><i>How does the <b>solar system</b> work?</i> astronomer gravity meteor planet solar system</p> <p>CAS 12 F</p>	<p><i>How does the <b>atmospheric system</b> work?</i> biome condensation moisture precipitation season temperature</p> <p>CAS 12 E</p>

5	<p><i>How does the water cycle work?</i> acid rain condensation evaporation landform leaching precipitation storm water table water vapor CAS 12 E</p>	<p><i>How does the weather/climate system work?</i> atmosphere climate cloud type frost hurricane temperature tornado  CAS 12 E</p>	<p><i>How does the solar system affect Earth?</i> abiotic asteroidal impact atmosphere earth history mass extinction orbit planet season volcanism CAS 12 B, F</p>	<p><i>What careers are part of the _____ system?</i>  CAS 13 C</p>
6	<p><i>How does the weather system work?</i> air pressure atmosphere dew jet stream moisture temperature CAS 12E</p>	<p><i>How does weather affect rock formation?</i> glacier leaching rock cycle soil formation storm valley glacier water table CAS 12E</p>	<p><i>What is a star life cycle?</i> black hole density mass red giant telescope white dwarf  CAS 12F</p>	<p><i>What careers are part of the _____ system?</i>  CAS 13C</p>
7	<p><i>What do I know about ecology?</i> botany competition consumer evolution food chain producer reproductive rate scavenger  CAS 13B, 12B</p>	<p><i>How does an ecosystem work?</i> appendage camouflage decomposition defensive structure food chain fungus microorganism reproductive rate season spine  CAS 13B, 12B</p>	<p><i>How do physiological systems work in organisms?</i> digestive endocrine excretion nervous system organ reproduction respiration respiratory system tissue transport vital function CAS 12A</p>	<p><i>How do atmospheric conditions affect ecosystems?</i> atmosphere biodegradability cloud type homeostasis humidity natural resource solar heating temperature temperature regulation troposphere wind CAS 12A, B, E</p>
8	<p><i>Read/write about rock cycles/soil formation:</i> erosion fracture igneous leaching metamorphic organic rock sedimentary seismic seismograph viscosity volcanic eruption water table weathering CAS 12E</p>	<p><i>How does the weather system impact soil formation?</i> air mass air pressure atmosphere evaporation freezing point front jet stream lithosphere monsoon smog storm  CAS 12E</p>	<p><i>How does the solar system work?</i> asteroid black hole comet constellation gravitational force orbital motion planet radio telescope sphere universe  CAS 12F</p>	<p><i>What careers are part of the _____ system?</i>  CAS 13A, C</p>