

## MEA Science Vocabulary/Terminology Guidance 2009-2010

		<b>Grade 5</b>	<b>Grade 8</b>
<p>The vocabulary and terminology contained in these two rows may be translated for ELL students for whom MEA approved accommodation P11 – “Using simplified English for non-content specific terms” has been authorized.</p>	<b>Direction words and phrases</b>	compare (similarities and differences) conclude describe explain (process, similarities, differences) identify list provide the one that <b>best</b> ... provide the <b>most likely</b> sort	compare (similarities and differences) conclude describe explain (process, similarities, differences) identify list provide the one that <b>best</b> ... provide the <b>most likely</b> sort
	<b>Organisms and Environments</b>	<ul style="list-style-type: none"> <li>• common biomes including forest, desert, tundra, grassland, polar, ocean, rainforest</li> <li>• common life cycles including monarch butterfly, frog, grasshopper, dragonfly, salmon</li> <li>• organisms commonly found in the biomes, for example: moose, vole, pine tree, eagle, raccoon (forest)</li> <li>• simple food chains</li> <li>• single-celled organisms including amoeba, paramecium, euglena</li> </ul>	<p><b>In addition to the Grade 5 list:</b></p> <ul style="list-style-type: none"> <li>• extinct organisms and fossils including horse, trilobite, ferns</li> <li>• common elements, mixtures, compounds, and periodic table groups including calcium, potassium, carbon dioxide, water, noble gases</li> <li>• food webs of common biomes</li> <li>• organ systems including circulatory, digestive, nervous, respiratory, skeletal</li> </ul>
	Any terms used in the Maine Learning Results may appear on the MEA. The words listed may need special attention or may have different	Adaptation algae ancestor balance biological parent Celsius (all temperatures in degrees Celsius) change (chemical and physical) conclusion condensation data energy (light, sound, heat, sound) erosion	<p><b>In addition to the Grade 5 list:</b></p> absorb accelerate amplitude celestial bodies chloroplast compound condensation convection direct/indirect drag electromagnetic spectrum

Note: This list is a guide. It is an attempt to better delineate the vocabulary demands of the MEA science test. It is possible that it will not be considered complete by all users. Please contact Anita Bernhardt at [anita.bernhardt@maine.gov](mailto:anita.bernhardt@maine.gov) with any suggestions for additions. Words and phrases from prior years may appear in tests at any grade level.

	meanings for science and technology than in other areas.	evaporation extinct inherited matter mixture offspring phases photosynthesis precipitation property record rotate revolve weathering	elements energy including mechanical, nuclear, atomic, chemical, potential, kinetic evaporation eyespot flagellum frequencies friction geological glucose impact indirect/direct inertia kinetic mass matter mesosphere microorganism Newtons nucleus oxidation property radiation rotate revolve sedimentary structural adaptation thermosphere tissue troposphere weathering
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