

## MHSA Science Vocabulary/Terminology Guidance 2009-2010

	<b>Grade 8</b>	<b>Grade 11</b>
<b>Direction words and phrases</b>	compare (similarities and differences) conclude describe explain (process, similarities, differences) identify list provide the one that best ... provide the most likely sort	compare (similarities and differences) conclude describe discuss explain (process, similarities, differences) from the perspective of... identify list provide the one that best ... provide the most likely sort support with respect to...
<b>Organisms and Environments</b>	<b>In addition to the Grade 5 list:</b> <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> </ul> organ systems including circulatory, digestive, nervous, respiratory, skeletal	<b>In addition to the Grade 8 list:</b> <ul style="list-style-type: none"> <li>• common reactions including balanced equations and radioactive decay</li> <li>• common cell parts including mitochondrion, nucleus, ribosome, Golgi Apparatus, cytoplasm, chloroplasts</li> </ul>
<b>Any terms used in the Maine Learning Results may appear on the MHSA. The words listed</b>	<b>In addition to the Grade 5 list:</b> absorb accelerate amplitude celestial bodies chloroplast compound condensation	<b>In addition to the Grade 8 list:</b> astronomical measurement bacteria conductor conserved daughter cells density diffraction

Note: This list is a guide. It is an attempt to better delineate the vocabulary demands of the MHSA 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.

<p><b>may need special attention or may have different meanings for science and technology than in other areas.</b></p>	<p>convection  direct/indirect  drag  electromagnetic spectrum  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</p>	<p>diffusion  dominant  elliptical motion  experimental conditions  exploitation  gene expression  isotope  interbreed  joules  limiting factor  magma  magnitude  model  mantle  non-native  penicillin  primary  recessive  relative to  satellite  stable  static  theory  velocity</p>
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