

**AIMS Science  
Grade 8 Test Blueprint**

<b>Strand</b>	<b>Concept</b>	<b>Number of POs</b>	<b>Number of testable POs</b>	<b>Number of Test Items</b>	<b>Percentage of Test</b>
<b>Strand 1: Scientific Inquiry</b>	Concept 1: Observations, Questions, and Hypotheses	3	3	6	34.5%
	Concept 2: Scientific Testing (Investigating and Modeling)	5	2	4	
	Concept 3: Analysis and Conclusions	8	7	6	
	Concept 4: Communication	5	2	4	
<b>Strand 2: History and Nature of Science</b>	Concept 1: History of Science as a Human Endeavor	4	3	6	10.3%
	Concept 2: Nature of Scientific Knowledge	4	3		
<b>Strand 3: Science in Personal and Social Perspectives</b>	Concept 1: Changes in Environments	2	2	6	10.3%
	Concept 2: Science and Technology in Society	4	2		
<b>Strand 4: Life Science</b>	Concept 1: Structure and Function in Living Organisms	0	0	8	13.8%
	Concept 2: Reproduction and Heredity	3	3		
	Concept 3: Populations of Organisms in an Ecosystem	0	0		
	Concept 4 : Diversity, Adaptation, and Behavior	6	6		
<b>Strand 5: Physical Science</b>	Concept 1: Properties and Changes of Properties in Matter	7	6	10	31.0%
	Concept 2: Motions and Forces	5	5	8	
	Concept 3: Transfer of Energy	0	0	0	
<b>Strand 6: Earth and Space Science</b>	Concept 1: Structure of the Earth	0	0	0	0%
	Concept 2: Earth's Processes and Systems	0	0		
	Concept 3: Earth in the Solar System	0	0		
<b>12/6/2005</b>	Total Concepts = 18 Testable Concepts = 12	56	44	58	100%