

Semester 2 Exam Review – Honors Biology – 2026

Text Chapter	Topic	Study Suggestions	Exam
8	1. Meiosis and reproductive methods	<ul style="list-style-type: none"> <input type="checkbox"/> Meiosis lesson <input type="checkbox"/> Cell Regulation/Cancer lesson <input type="checkbox"/> Coloring the phases activity 	N/A
9	1. Mendel's Laws 2. Exceptions to Mendel 3. Chromosomal Inheritance 4. Sex Chromosomes	<ul style="list-style-type: none"> <input type="checkbox"/> Class Notes – Law of Segregation <input type="checkbox"/> Class Notes – Law of Independent Assortment <input type="checkbox"/> Class Notes – Exceptions to Mendel <input type="checkbox"/> Progress Check – Variations of Mendel 	Inheritance and Molecular Genetics
10	1. DNA Structure 2. DNA Replication 3. Protein Synthesis 4. Mutations	<ul style="list-style-type: none"> <input type="checkbox"/> Class Notes – DNA Basics <input type="checkbox"/> Protein Synthesis Flow Chart and Diagrams <input type="checkbox"/> Puzzle activity – Protein Synthesis Reading Guides (diagram/text) 	
11	1. Prokaryotic Gene Regulation 2. Eukaryotic Gene Regulation 3. Cancer	<ul style="list-style-type: none"> <input type="checkbox"/> Class Notes – Operons <input type="checkbox"/> Class Notes – Eukaryotic Gene Regulation <input type="checkbox"/> Eukaryotic Gene Regulation Data Table <input type="checkbox"/> Eukaryotic Gene Regulation diagramming <input type="checkbox"/> Class Notes – Genetics of Cancer 	
13	1. Darwin and Natural Selection 2. Evidence of Evolution 3. Microevolution and H-W Equilibrium	<ul style="list-style-type: none"> <input type="checkbox"/> Class Notes – Natural Selection (flow chart) <input type="checkbox"/> Knowledge check – Darwin reading/Nat selec. <input type="checkbox"/> Class Notes – Evidence of Evolution (video notes- whale evo. <input type="checkbox"/> Class Notes – Microevolution / H-W Equilibrium <input type="checkbox"/> Your Hand! (Five fingers of Evo) 	
14	1. Species Concepts 2. Reproductive Barriers 3. Mechanisms of Speciation 4. Speciation Rates/Patterns	<ul style="list-style-type: none"> <input type="checkbox"/> Class Notes – Speciation <input type="checkbox"/> Bird Video – Speciation <input type="checkbox"/> Anole lizard lab 	Evolution
15	1. History of Life	<ul style="list-style-type: none"> <input type="checkbox"/> Class Notes – History of Life Timeline and preview 	
Human Systems	1. Digestive 2. Excretory 3. Circulatory 4. Respiratory 5. Endocrine 6. Nervous	<ul style="list-style-type: none"> <input type="checkbox"/> Class Notes – Digestive System <input type="checkbox"/> Class Notes – Excretory System <input type="checkbox"/> Class Notes – Circulatory System <input type="checkbox"/> Class Notes – Endocrine System <input type="checkbox"/> Class Notes – Nervous System <input type="checkbox"/> Pig Dissection Materials 	Dissection Practical
Ecology	1. Levels of Organization 2. Populations 3. Communities 4. Ecosystems	<ul style="list-style-type: none"> <input type="checkbox"/> Class Notes – Group Presentations/Note Templates <input type="checkbox"/> Textbook reading 	N/A