

**Unit 9 Checklist – Evolution**

#	Question	Lesson Exit Ticket
1	Explain why fossils are important or what they tell us.	
2	Explain how humans can cause organisms to change over time.	
3	Explain how nature can cause organisms to change over time.	
4	Identify the ultimate source of all <b>variation</b> in a population.	
5	Describe what a <b>selective pressure</b> is and give 1 example.	
6	Explain why some individuals have " <b>greater fitness</b> " than others in a population.	
7	Describe what happens to <b>variations</b> in a population over time if they give individuals <b>greater fitness</b> (i.e. an advantage)	
8	Summarize how <b>natural selection</b> will cause a <b>random variation</b> to become an <b>adaptation</b> in a population over time.	
9	List at least <u>3</u> factors that can <b>increase the rate of evolution</b> .	1. 2. 3.

10	Contrast <b>punctuated equilibrium</b> with <b>gradualism</b> .	
11	Explain why a population is more likely to survive (i.e. not go <b>extinct</b> ) if it maintains <b>genetic diversity</b> .	
12	Define <b>species</b> .	
13	Define <b>common ancestor</b> .	
14	Define <b>speciation</b> and describe how it can take place.	
15	Explain the role of <b>isolation</b> in <b>speciation</b> .	
16	Define <b>evolution</b>	
17	List <u>4</u> sources of evidence that support evolution.	<ol style="list-style-type: none"> <li>1.</li> <li>2.</li> <li>3.</li> <li>4.</li> </ol>
18	Explain the difference between <b>relative dating</b> and <b>absolute dating</b> of a fossil.	<p>Relative dating –</p> <p>Absolute dating -</p>