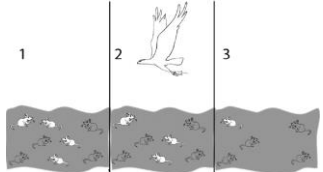




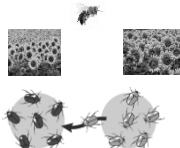
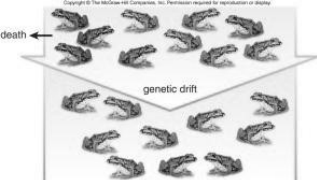

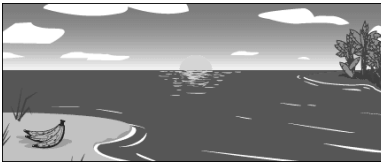

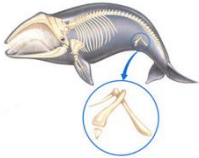
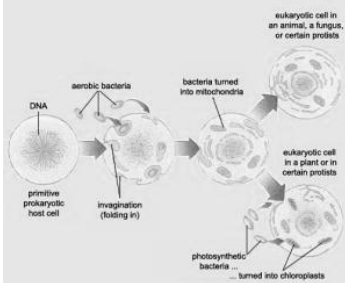



Name: _____

Mechanisms of Evolution

Natural Selection	Heritable Characteristics	Differential Reproductive Success	Adaptations	Mutations
				 <p>Mutated gene results in brown coloration</p>
Gene Flow	Genetic Drift	Behavioral Isolation	Geographic Isolation	Temporal Isolation
	 <p>Copyright © The McGraw-Hill Companies, Inc. Permission required for reproduction or display.</p>			 <p>black beetle (a) (b) brown beetle (a) (b)</p>

Evidence of Evolution

Morphologies	Fossils	Embryology	Analogous Structures	Homologous Structures																																																																																																																
<p>Vestigial Structures</p> 	<p>Molecular Biology</p> <table border="1" data-bbox="485 1252 814 1321"> <thead> <tr> <th></th> <th>87</th> <th>88</th> <th>89</th> <th>90</th> <th>91</th> <th>92</th> <th>93</th> <th>94</th> <th>95</th> <th>96</th> <th>97</th> <th>98</th> <th>99</th> <th>100</th> <th>101</th> </tr> </thead> <tbody> <tr> <td>Human</td> <td>THR</td> <td>LEU</td> <td>SER</td> <td>GLU</td> <td>LEU</td> <td>HS</td> <td>CYS</td> <td>ASP</td> <td>LYS</td> <td>LEU</td> <td>HS</td> <td>VAL</td> <td>ASP</td> <td>PRO</td> <td>GLU</td> </tr> <tr> <td>Chimpanzee</td> <td>THR</td> <td>LEU</td> <td>SER</td> <td>GLU</td> <td>LEU</td> <td>HS</td> <td>CYS</td> <td>ASP</td> <td>LYS</td> <td>LEU</td> <td>HS</td> <td>VAL</td> <td>ASP</td> <td>PRO</td> <td>GLU</td> </tr> <tr> <td>Gorilla</td> <td>THR</td> <td>LEU</td> <td>SER</td> <td>GLU</td> <td>LEU</td> <td>HS</td> <td>CYS</td> <td>ASP</td> <td>LYS</td> <td>LEU</td> <td>HS</td> <td>VAL</td> <td>ASP</td> <td>PRO</td> <td>GLU</td> </tr> <tr> <td>Rhesus monkey</td> <td>GLN</td> <td>LEU</td> <td>SER</td> <td>GLU</td> <td>LEU</td> <td>HS</td> <td>CYS</td> <td>ASP</td> <td>LYS</td> <td>LEU</td> <td>HS</td> <td>VAL</td> <td>ASP</td> <td>PRO</td> <td>GLU</td> </tr> <tr> <td>Horse</td> <td>ALA</td> <td>LEU</td> <td>SER</td> <td>GLU</td> <td>LEU</td> <td>HS</td> <td>CYS</td> <td>ASP</td> <td>LYS</td> <td>LEU</td> <td>HS</td> <td>VAL</td> <td>ASP</td> <td>PRO</td> <td>GLU</td> </tr> <tr> <td>Monkey</td> <td>LYS</td> <td>LEU</td> <td>SER</td> <td>GLU</td> <td>LEU</td> <td>HS</td> <td>CYS</td> <td>ASP</td> <td>LYS</td> <td>LEU</td> <td>HS</td> <td>VAL</td> <td>ASP</td> <td>PRO</td> <td>GLU</td> </tr> </tbody> </table>		87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	Human	THR	LEU	SER	GLU	LEU	HS	CYS	ASP	LYS	LEU	HS	VAL	ASP	PRO	GLU	Chimpanzee	THR	LEU	SER	GLU	LEU	HS	CYS	ASP	LYS	LEU	HS	VAL	ASP	PRO	GLU	Gorilla	THR	LEU	SER	GLU	LEU	HS	CYS	ASP	LYS	LEU	HS	VAL	ASP	PRO	GLU	Rhesus monkey	GLN	LEU	SER	GLU	LEU	HS	CYS	ASP	LYS	LEU	HS	VAL	ASP	PRO	GLU	Horse	ALA	LEU	SER	GLU	LEU	HS	CYS	ASP	LYS	LEU	HS	VAL	ASP	PRO	GLU	Monkey	LYS	LEU	SER	GLU	LEU	HS	CYS	ASP	LYS	LEU	HS	VAL	ASP	PRO	GLU	<p>Endosymbiosis</p> 	<p>Biogeography</p> 	
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Horse	ALA	LEU	SER	GLU	LEU	HS	CYS	ASP	LYS	LEU	HS	VAL	ASP	PRO	GLU																																																																																																					
Monkey	LYS	LEU	SER	GLU	LEU	HS	CYS	ASP	LYS	LEU	HS	VAL	ASP	PRO	GLU																																																																																																					

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