

Kingdom Monera

Use the two textbooks as references: Miller & Levine (Elephant) and Nelson (Orca)

1. Explain how bacteria reproduce. You may draw a diagram to help you explain the processes. M & L p. 367 – 69 / Nelson p. 216 -7.

a) Binary fission (asexual)

b) Conjugation (sexual). Name 2 bacteria that undergo conjugation.

2. What are endospores and why are they important? Nelson p. 217

3. How can bacteria move? M & L p. 365

4. Explain respiration in bacteria: M & L p. 365 / Nelson p. 216

a) Aerobic respiration

b) Photosynthesis

c) Fermentation

5. Explain the ecological roles of bacteria: M & L p. 370 – 74 / Nelson p. 217 - 218

a) Beneficial roles

b) Ability to cause human disease

6. How can bacteria be controlled? M & L p. 375.

7. Shape and grouping of bacteria cells M & L p. 363-4 / Nelson p. 215 -6.

a) Shape

Shape	Description	Diagram
• Bacilli		
• Cocci		
• Spirilla		

b) Grouping

- Strepto = _____
Ex) *Streptococcus*
- Staphylo = _____
Ex) *Staphylococcus*