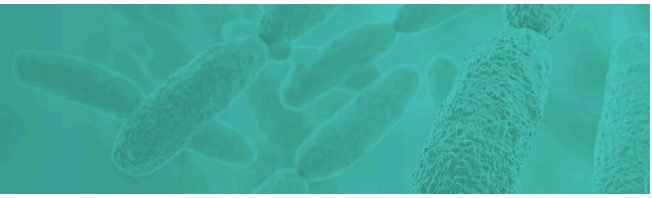


CONSTRUCT A BUG

Worksheet



1. Look at the genes your bacteria has. What adaptations or features do they give it and how do these contribute to its survival strategy?

2. How might a bacteria become more adapted to a pathogenic lifestyle?

3. Which of the 3 bacteria (*Klebsiella*, *Shewanella* & *Salmonella*) do you think are most closely related?

**4. Which genes do you think are the most essential / oldest?
Hint: older and more essential genes are usually retained in many species as they are critical to their survival.**