

Construct a Bug Worksheet

1. Look at the genes your bacterium has. What adaptations or features do they give it and how do these contribute to its survival strategy?
2. How might a bacterium 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.*