Unit 1: Lesson 4 – Defending Our DNA: How Cells Protect Against Foreign Genetic Material

Activity 1: Anticipation Guide

Directions: Before we begin, read each statement and circle whether you think it is TRUE, FALSE, or UNSURE. There are no penalties for a wrong guess — this is about what you think right now. We will return to this guide later in the lesson to see how your thinking has changed.

#	Statement	Circle one
1	DNA from the food I eat can change my own DNA.	TRUE FALSE UNSURE
2	My cells have no way to destroy foreign DNA.	TRUE FALSE UNSURE
3	The only defense against foreign DNA is the immune system cells I learned about in Lesson 3.	TRUE FALSE UNSURE
4	Foreign DNA fragments have the tools needed for insertion into my chromosomes.	TRUE FALSE UNSURE
5	Humans would not have survived as a species without defenses against foreign DNA.	TRUE FALSE UNSURE

Revisit (End of Lesson):

For each statement above, did your thinking change? If so, explain.