

**BIO 211 MODULE 3 REPORT
STAINING**

NAME: _____
REPORT DATE: _____ **PARTNER INITIALS:** _____

EXERCISE 3.1-3.5 – STAINING

Place a check for information learned about cells for each staining technique:

	Shape	Size	Arrangement	Cell Wall Type
Simple stain				
Negative stain				
Gram stain				
Acid-fast stain				

Define the use of the terms “negative” for each of the following phrases:

☐ Negative stain: _____

Gram-negative: _____

Complete the table for each step of the following procedures:

GRAM STAIN	Which reagent is used in this step?	Color of Gram-positive cells after this step?	Color of Gram-negative cells after this step?
Primary dye			
Mordant			
Decolorizer			
Counterstain			
KINYOUN STAIN	Which reagent is used for this step?	Color of acid-fast cells after this step?	Color of non-acid-fast cells after this step?
Primary dye			
Decolorizer			
Counterstain			

Which step of the Gram and acid-fast staining procedures is most critical? _____

Explain: _____