Table 1: Record your data for the number of cells in each stage of the cell cycle observed in normal tissues.

Tissue Type	# Cells in Interphase	# Cells in Prophase	# Cells in Metaphase	# Cells in Anaphase	# Cells in Telophase
Lung Tissue Sample 1					
Lung Tissue Sample 2					
Stomach Tissue Sample 1					
Stomach Tissue Sample 2					
Ovarian Tissue Sample 1					
Ovarian Tissue Sample 2					

Table 2: Record your data for the number of cells in each stage of the cell cycle observed in cancerous tissues.

Tissue Type	# Cells in Interphase	# Cells in Prophase	# Cells in Metaphase	# Cells in Anaphase	# Cells in Telophase
Lung Tissue Sample 1					
Lung Tissue Sample 2					
Stomach Tissue Sample 1					
Stomach Tissue Sample 2					
Ovarian Tissue Sample 1					
Ovarian					

Tissue Sample 2					

Table 3: Use the data in Table 1 to calculate the Mitotic Index (average % cells dividing) for each normal tissue type.

Tissue Type	Avg. % cells at rest	Mitotic Index
Lung - normal		
Stomach - normal		
Ovary - normal		

Table 4: Use the data in Table 2 to calculate the average % cells dividing and average % cells at rest in each cancerous tissue type.

Tissue Type	Avg. % cells at rest	Mitotic Index
Lung - cancerous		
Stomach - cancerous		
Ovary - cancerous		