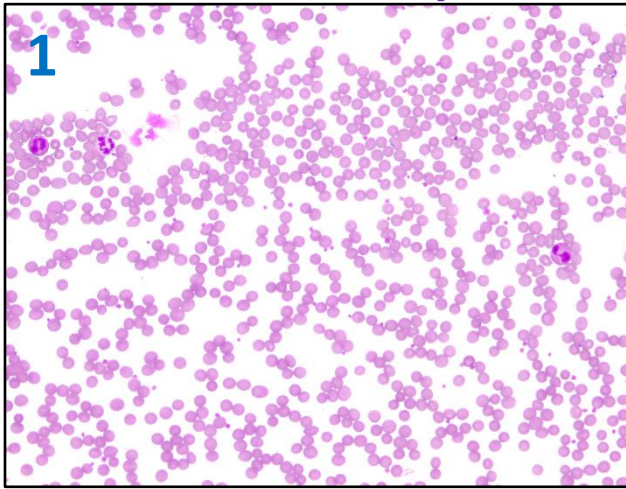
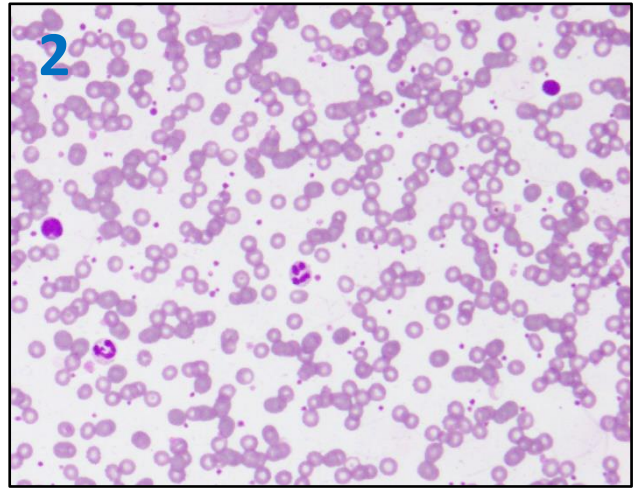


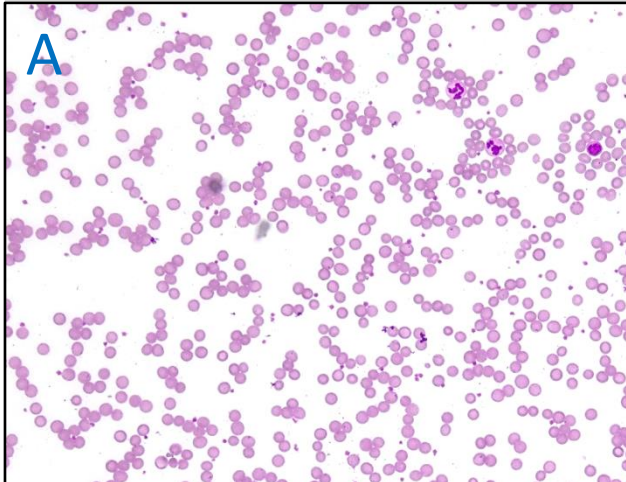
Monkey Health Explorer Practice Worksheet



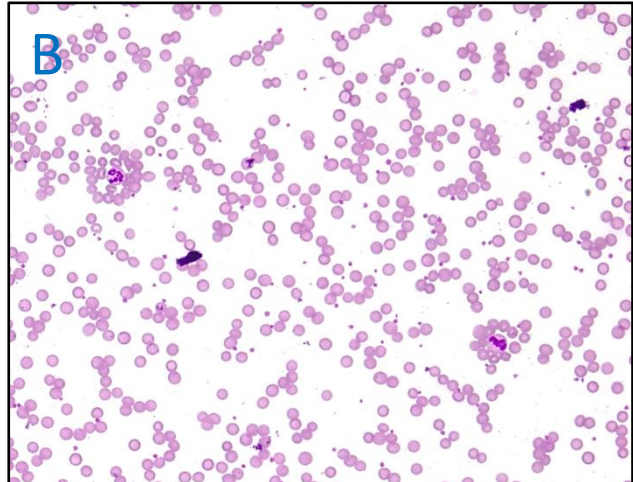
Neutrophil _____
Lymphocyte _____
Monocyte _____
Eosinophil _____
Basophil _____



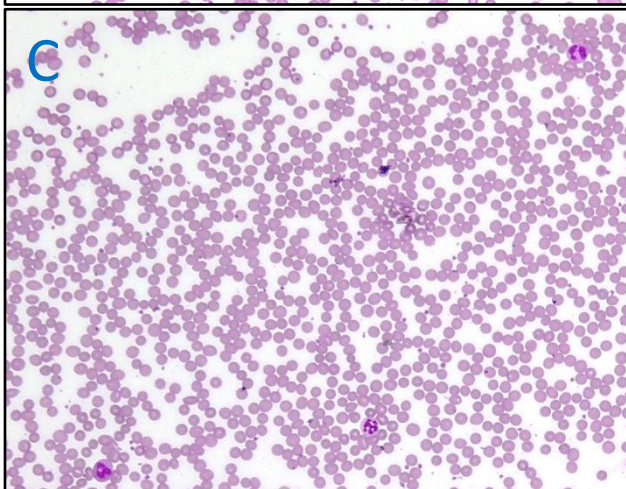
Neutrophil _____
Lymphocyte _____
Monocyte _____
Eosinophil _____
Basophil _____



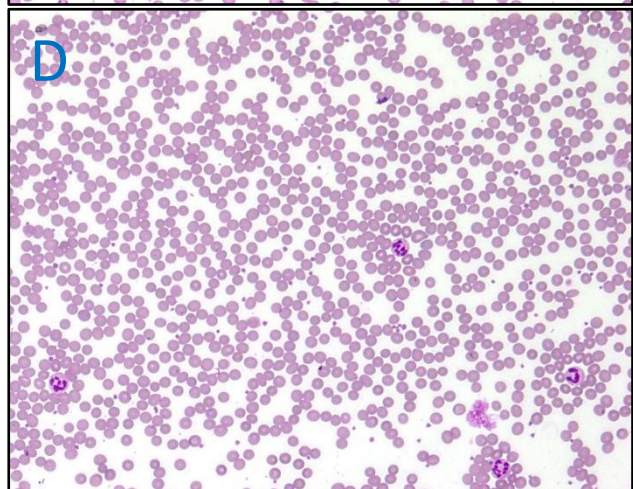
Neutrophil _____
Lymphocyte _____
Monocyte _____
Eosinophil _____
Basophil _____



Neutrophil _____
Lymphocyte _____
Monocyte _____
Eosinophil _____
Basophil _____



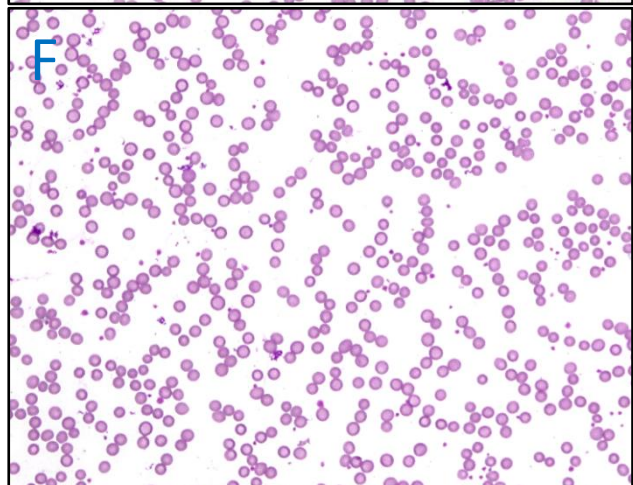
Neutrophil _____
Lymphocyte _____
Monocyte _____
Eosinophil _____
Basophil _____



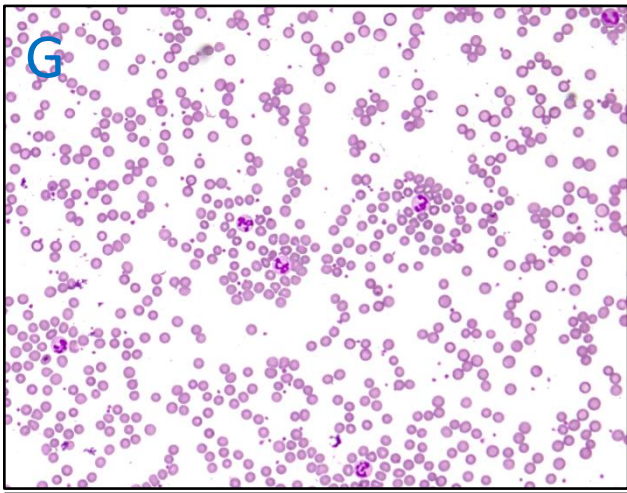
Neutrophil _____
Lymphocyte _____
Monocyte _____
Eosinophil _____
Basophil _____



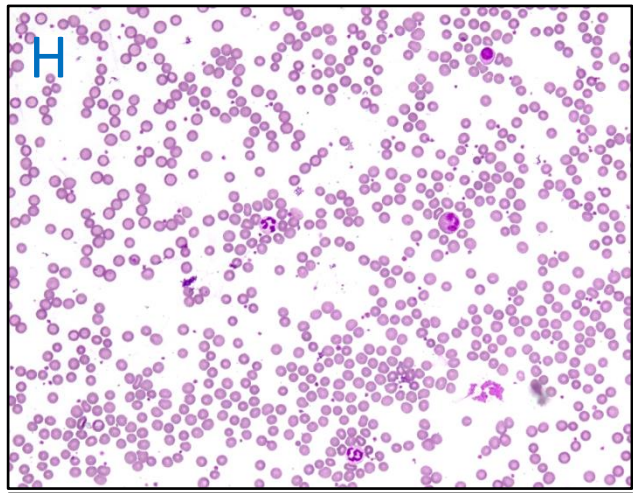
Neutrophil _____
Lymphocyte _____
Monocyte _____
Eosinophil _____
Basophil _____



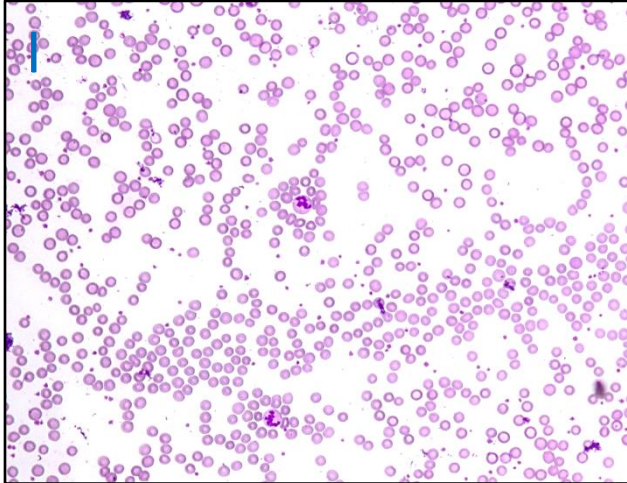
Neutrophil _____
Lymphocyte _____
Monocyte _____
Eosinophil _____
Basophil _____



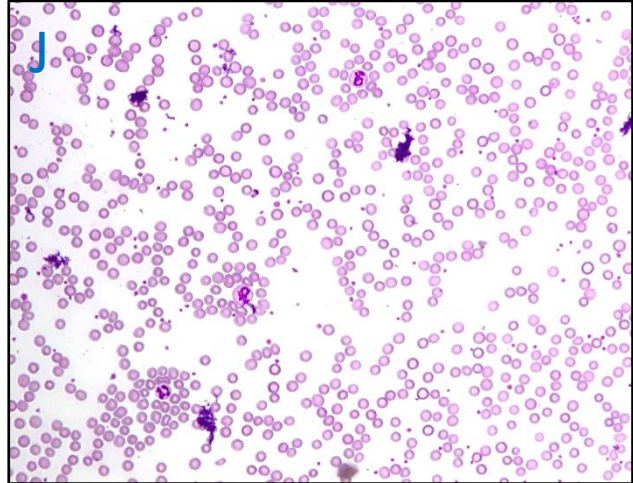
Neutrophil _____
 Lymphocyte _____
 Monocyte _____
 Eosinophil _____
 Basophil _____



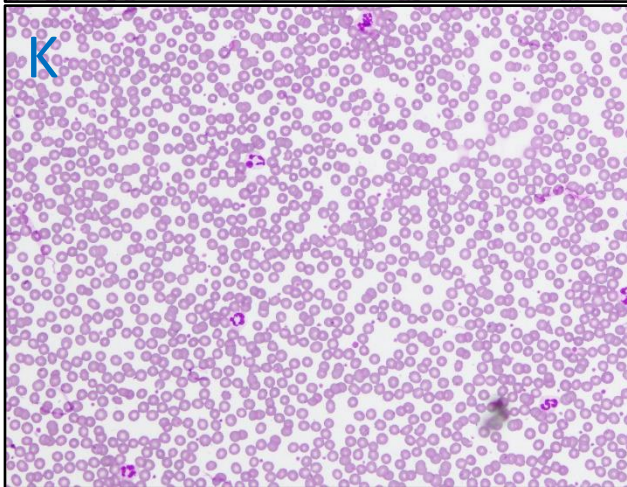
Neutrophil _____
 Lymphocyte _____
 Monocyte _____
 Eosinophil _____
 Basophil _____



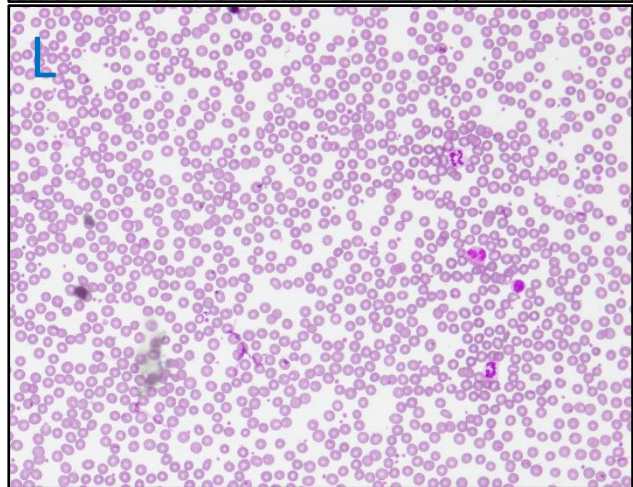
Neutrophil _____
 Lymphocyte _____
 Monocyte _____
 Eosinophil _____
 Basophil _____



Neutrophil _____
 Lymphocyte _____
 Monocyte _____
 Eosinophil _____
 Basophil _____



Neutrophil _____
 Lymphocyte _____
 Monocyte _____
 Eosinophil _____
 Basophil _____



Neutrophil _____
 Lymphocyte _____
 Monocyte _____
 Eosinophil _____
 Basophil _____

Total White Blood Cell Counts for Slide Images

Neutrophil _____ %
 Lymphocyte _____ %
 Monocyte _____ %
 Eosinophil _____ %
 Basophil _____ %

White Blood Cells in Humans

Neutrophil 40-60% - First defense - Fight bacterial and fungal infections
 (high number might indicate an infection, injury, or response to medication)

Lymphocyte 20-40% - Create antibodies, fight bacterial and viral infections, target
 cancer cells (high number might indicate a viral or bacterial infection or cancer)

Monocyte 2-8% - Work as macrophages – “eat” cell debris & microbes
 (high levels might indicate chronic infection or cancer)

Eosinophil 1-4% - Fight parasites & cancer cells, Part of allergic response, & asthma
 (high levels might indicate a response to a parasite, allergens, or asthma)

Basophil <1% - Alert system - respond to foreign substances by releasing histamine
 (allergies, asthma) (high levels might indicate underactive thyroid)