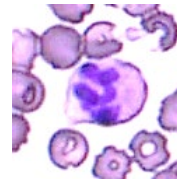
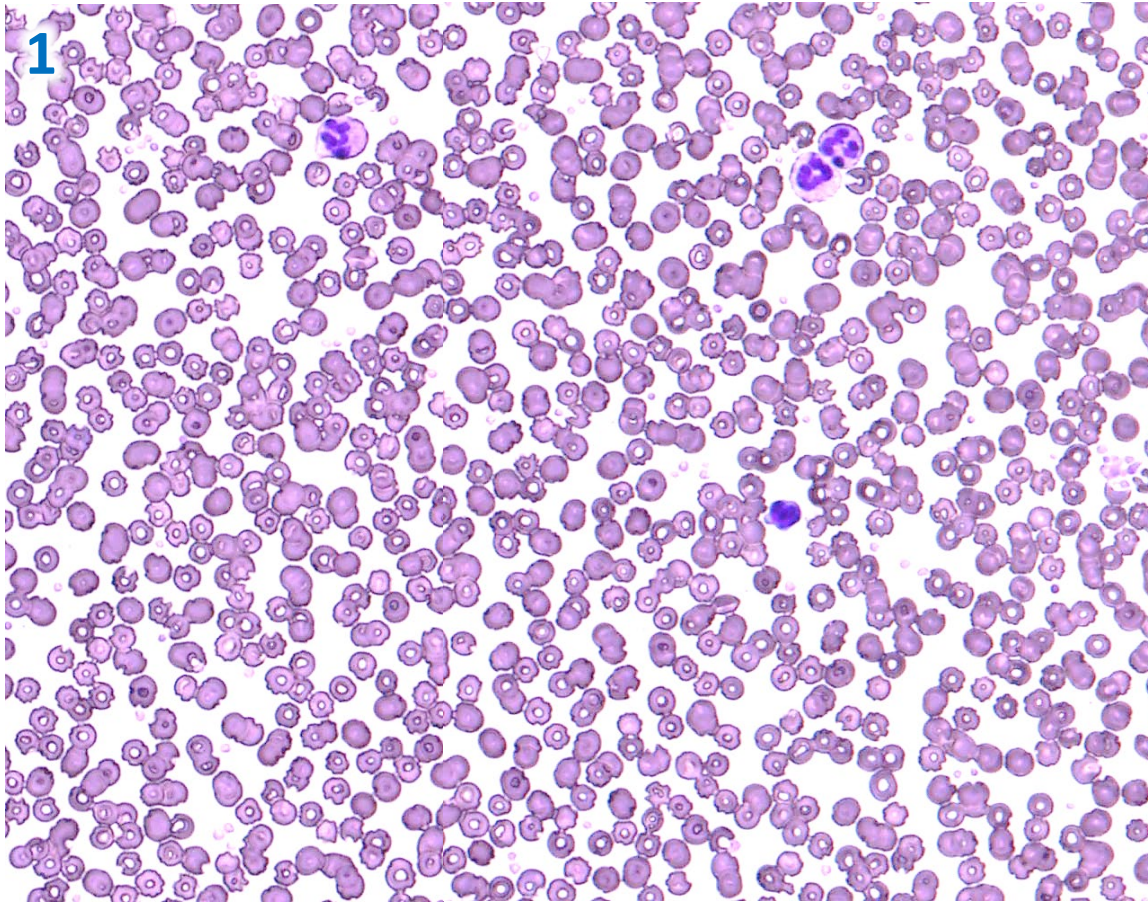
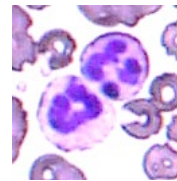


Monkey Health Explorer Practice Worksheet

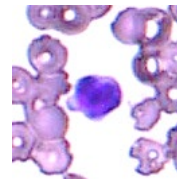


N L M E B

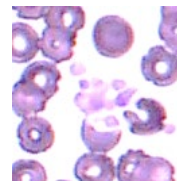


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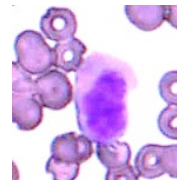
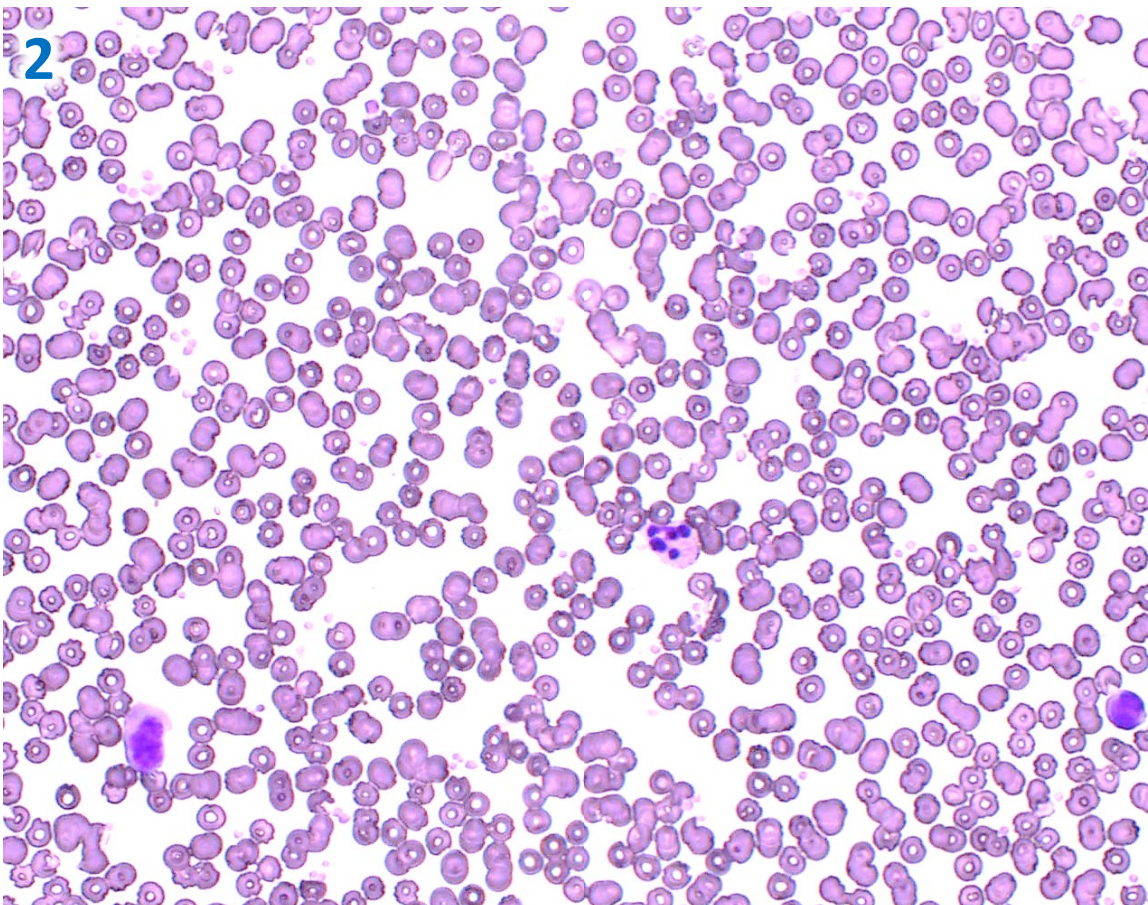
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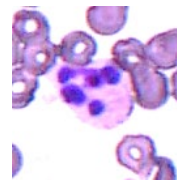
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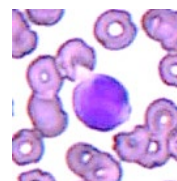
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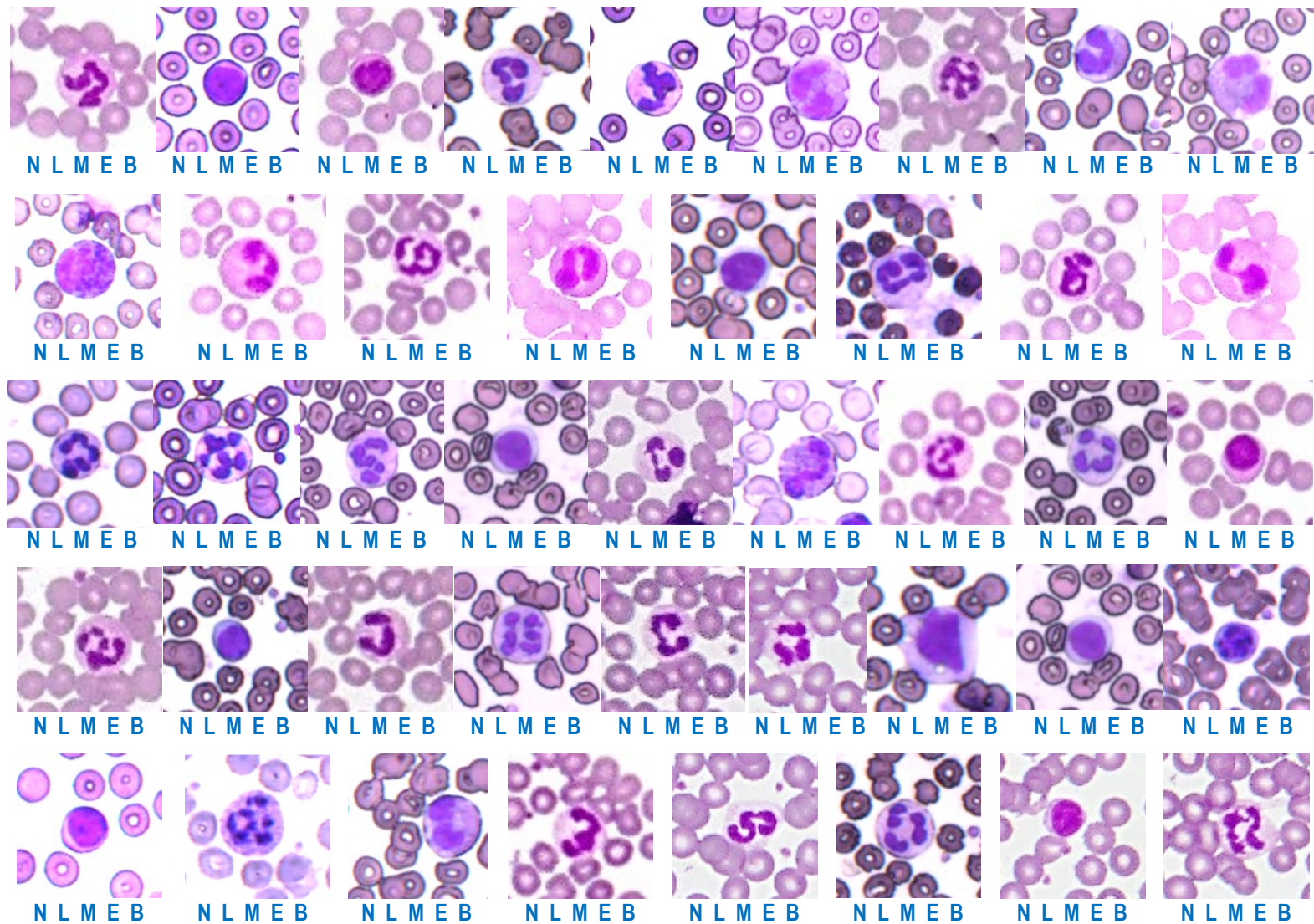
N L M E B



N L M E B

Total White Blood Cell Counts on This Page

Neutrophil _____ Lymphocyte _____ Monocyte _____ Eosinophil _____ Basophil _____



Neutrophil Lymphocyte Monocyte Eosinophil Basophil

White Blood Cell Counts This Page _____ _____ _____ _____ _____

White Blood Cell Counts Front Page _____ _____ _____ _____ _____

Combined Total White Blood Cell Counts _____ _____ _____ _____ _____

Total White Blood Cell Counts and Percentages

Neutrophil _____ / _____ = _____ %

Lymphocyte _____ / _____ = _____ %

Monocyte _____ / _____ = _____ %

Eosinophil _____ / _____ = _____ %

Basophil _____ / _____ = _____ %

Total WBCs _____ = 100 %

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)