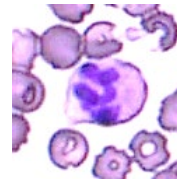
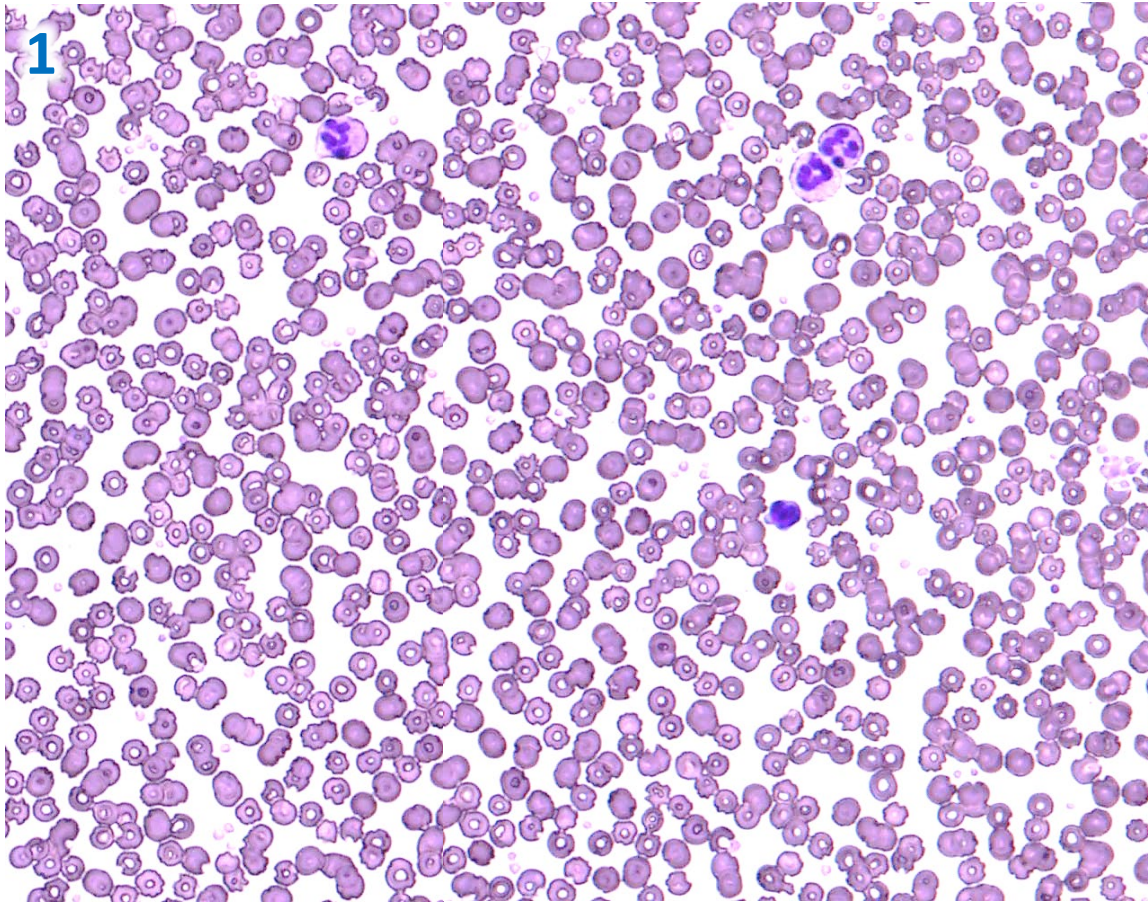
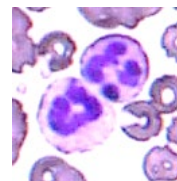


# Monkey Health Explorer Practice Worksheet

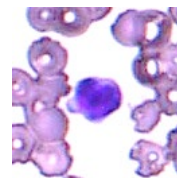


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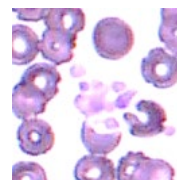


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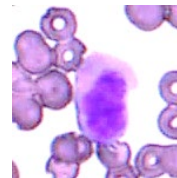
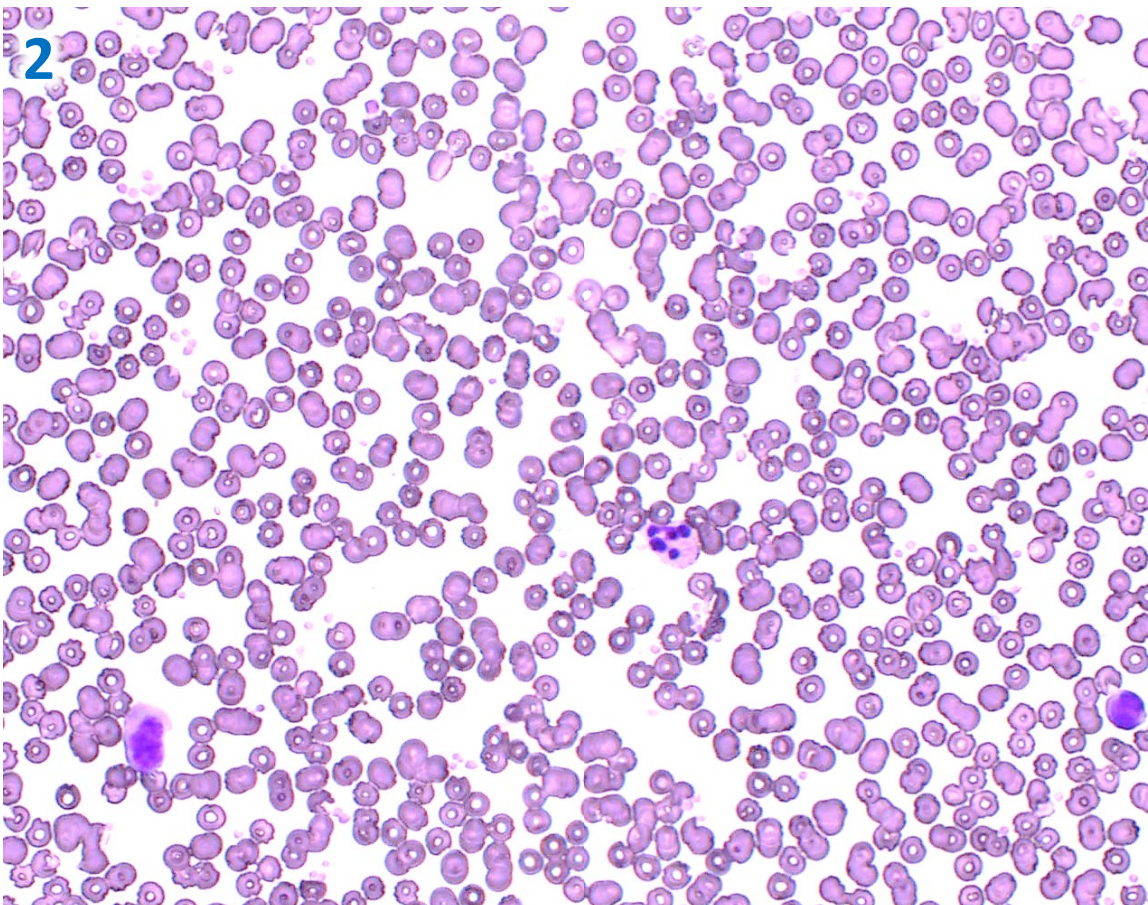
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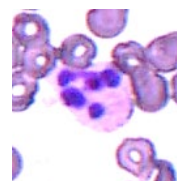
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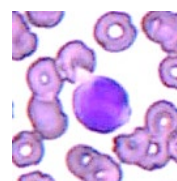
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N L M E B



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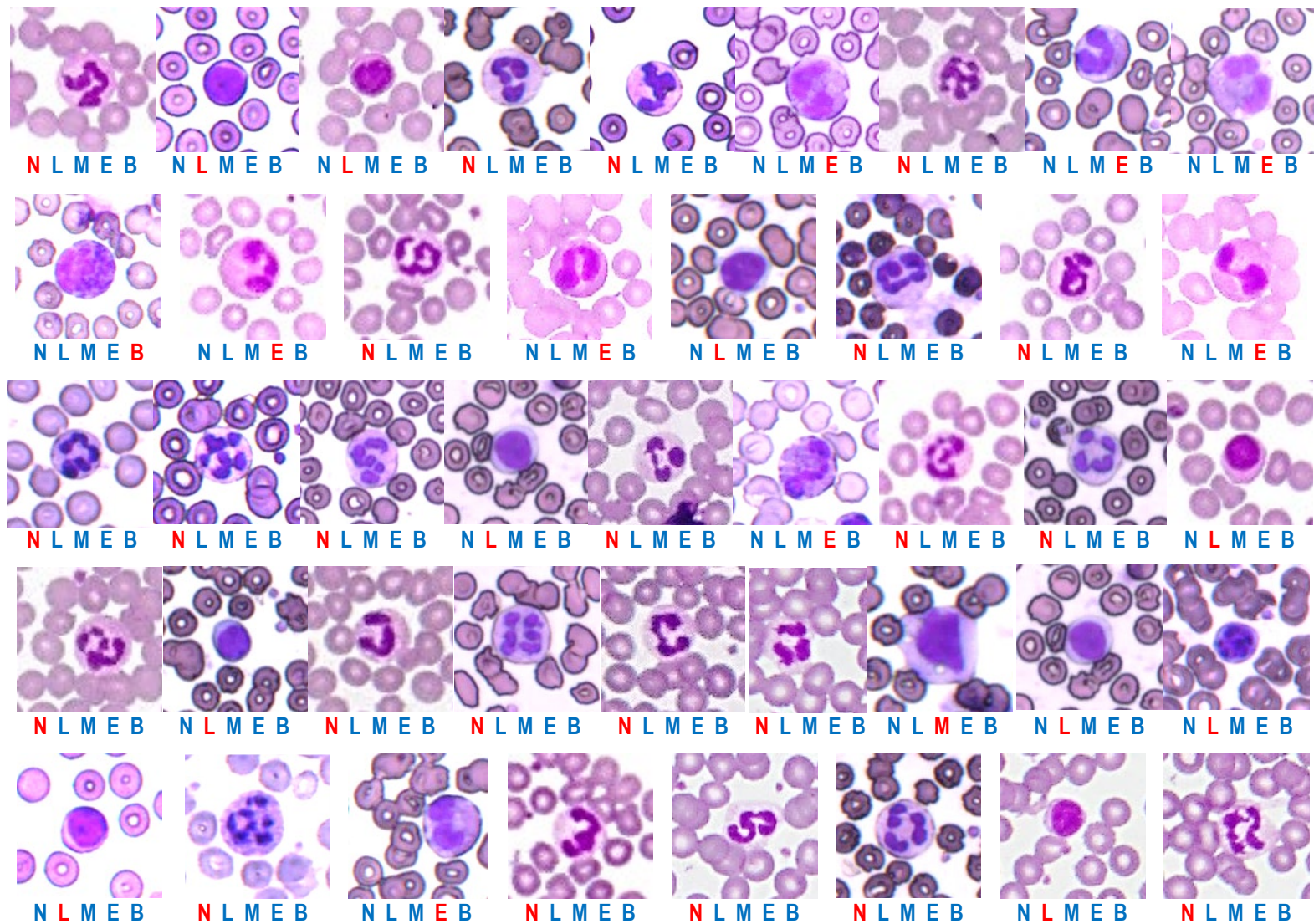


N L M E B

Total White Blood Cell Counts on This Page

Neutrophil 4 Lymphocyte 2 Monocyte 1 Eosinophil 0 Basophil 0





Neutrophil    Lymphocyte    Monocyte    Eosinophil    Basophil

White Blood Cell Counts This Page    23    10    1    8    1

White Blood Cell Counts Front Page    4    2    1    0    0

Combined Total White Blood Cell Counts    27    12    2    8    1

Total White Blood Cell Counts and Percentages

Neutrophil 27 / 50 = 54 %

Lymphocyte 12 / 50 = 24 %

Monocyte 2 / 50 = 4 %

Eosinophil 8 / 50 = 16 %

Basophil 1 / 50 = 2 %

Total WBCs 50 = 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)