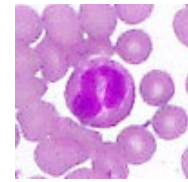
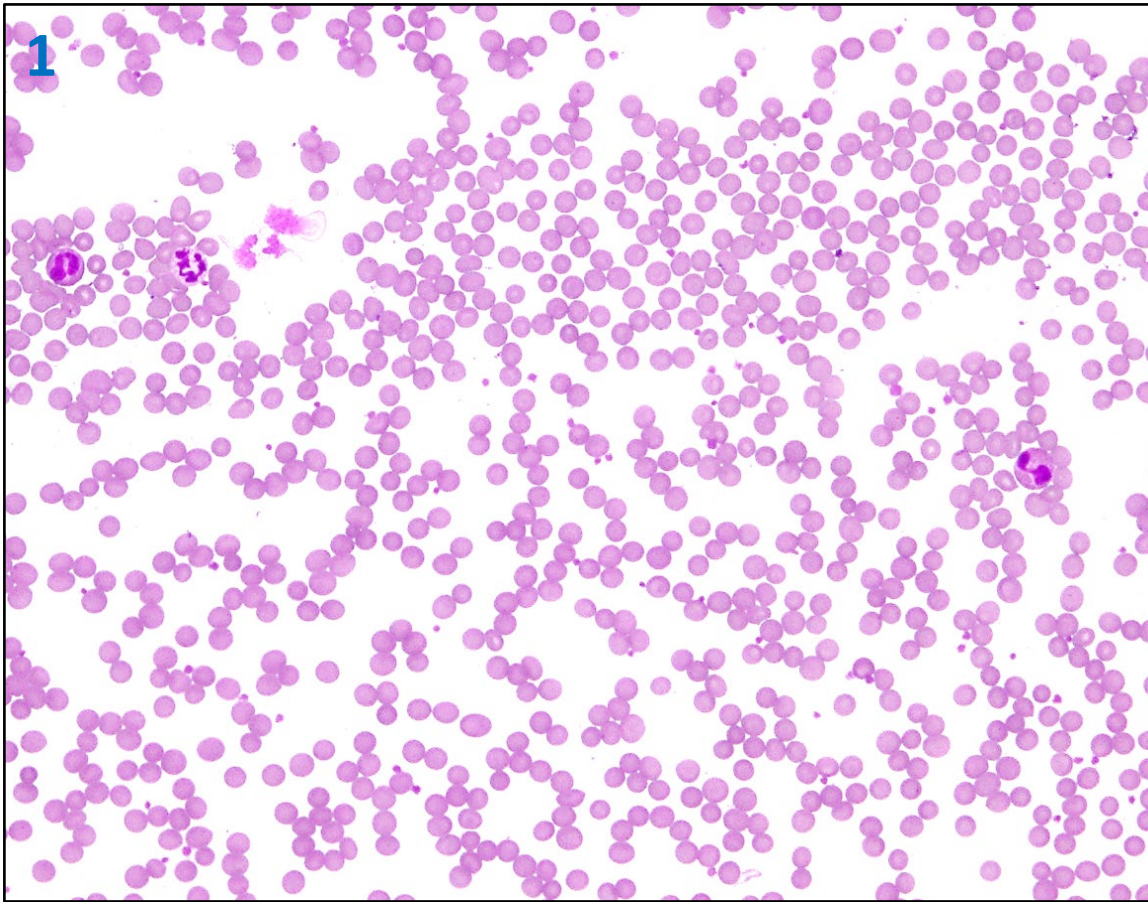
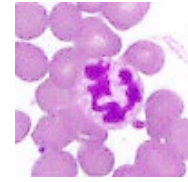


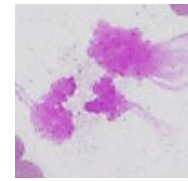
# Monkey Health Explorer Practice Worksheet



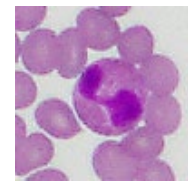
N L M **E** B



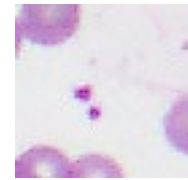
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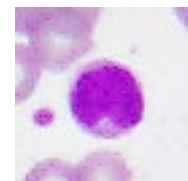
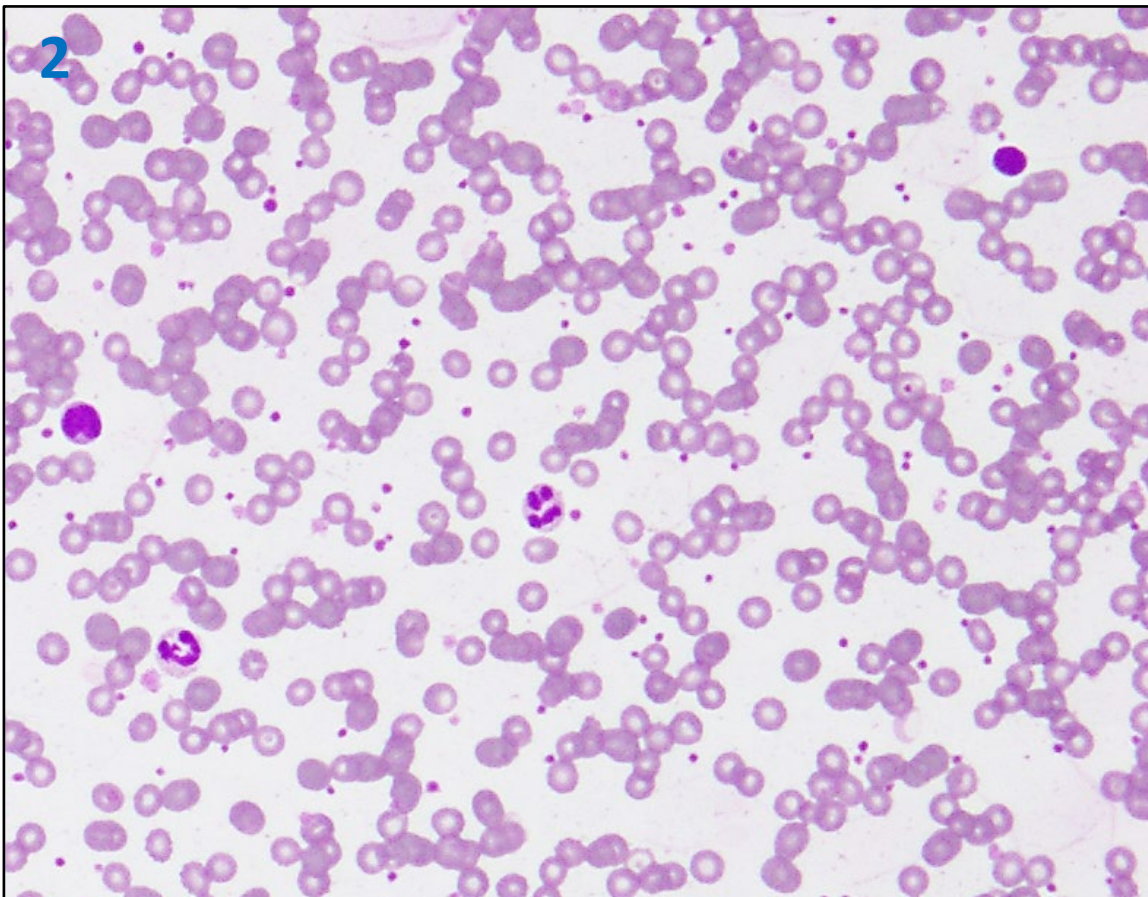
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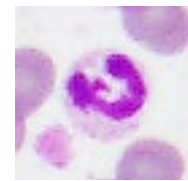
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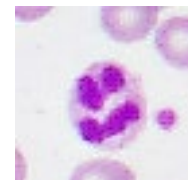
N L M E B



N L **M** E B



**N** L M E B



**N** L M E B



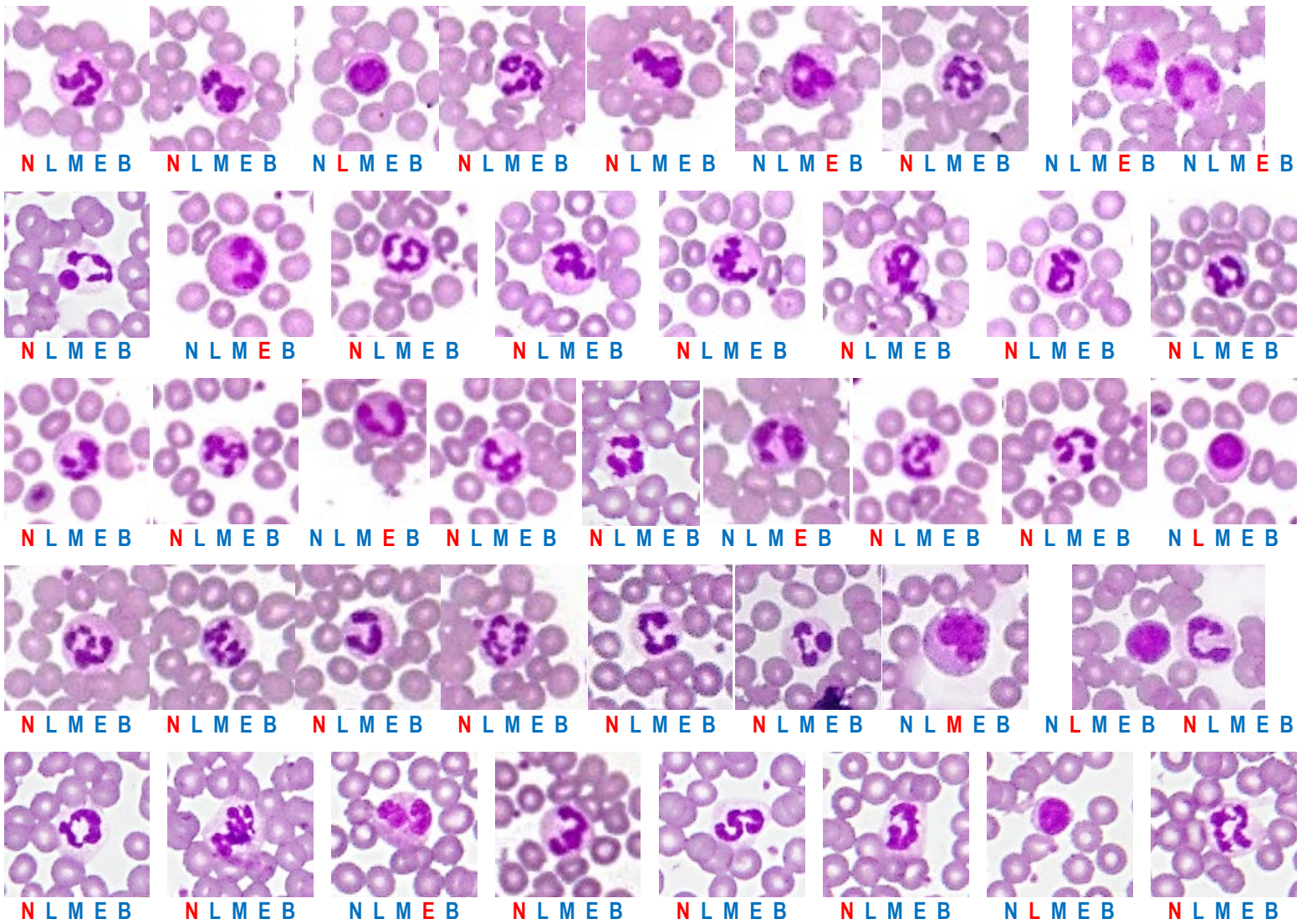
N **L** M E B

Total White Blood Cell Counts on This Page

Neutrophil 3 Lymphocyte 1 Monocyte 1 Eosinophil 2 Basophil 0

[www.monkeyhealthexplorer.org](http://www.monkeyhealthexplorer.org)





Neutrophil    Lymphocyte    Monocyte    Eosinophil    Basophil

White Blood Cell Counts This Page    31    4    1    7    0

White Blood Cell Counts Front Page    3    1    1    2    0

Combined Total White Blood Cell Counts    34    5    2    9    0

### Total White Blood Cell Counts and Percentages

Neutrophil 34 / 50 = 68 %

Lymphocyte 5 / 50 = 10 %

Monocyte 2 / 50 = 4 %

Eosinophil 9 / 50 = 18 %

Basophil 0 / 50 = 0 %

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)