

# Earth Science 11

## Unit 3 – Minerals and Rocks

### Day 7 – Naming Plutonic (intrusive) Igneous Rocks

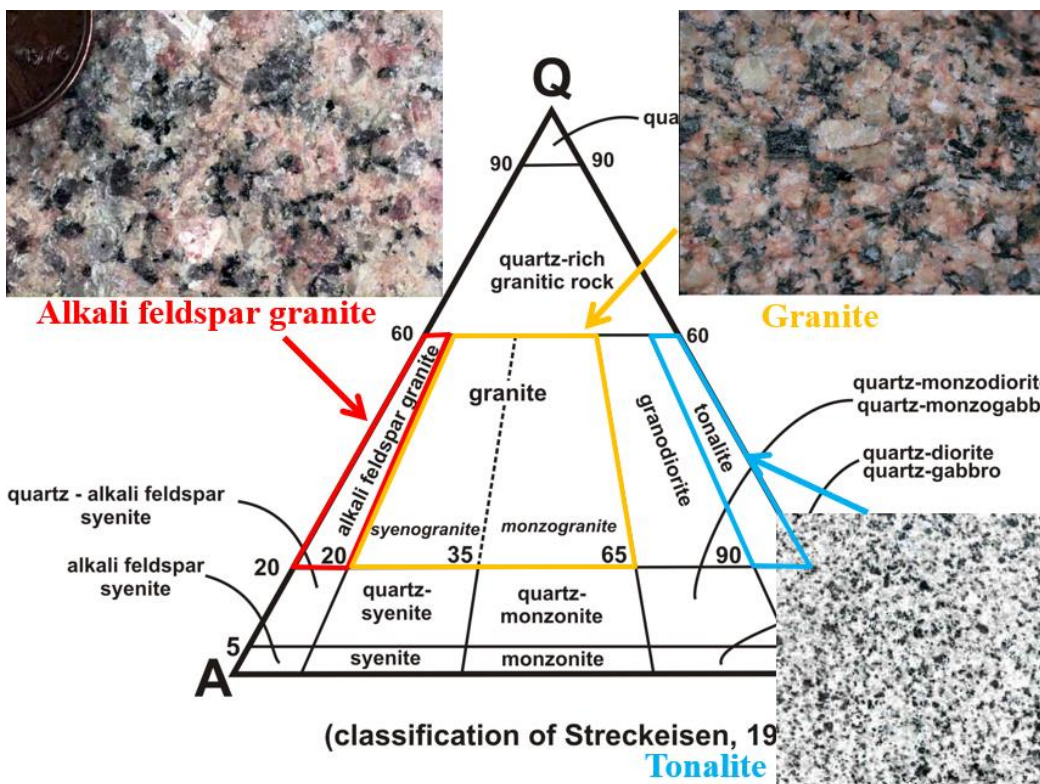
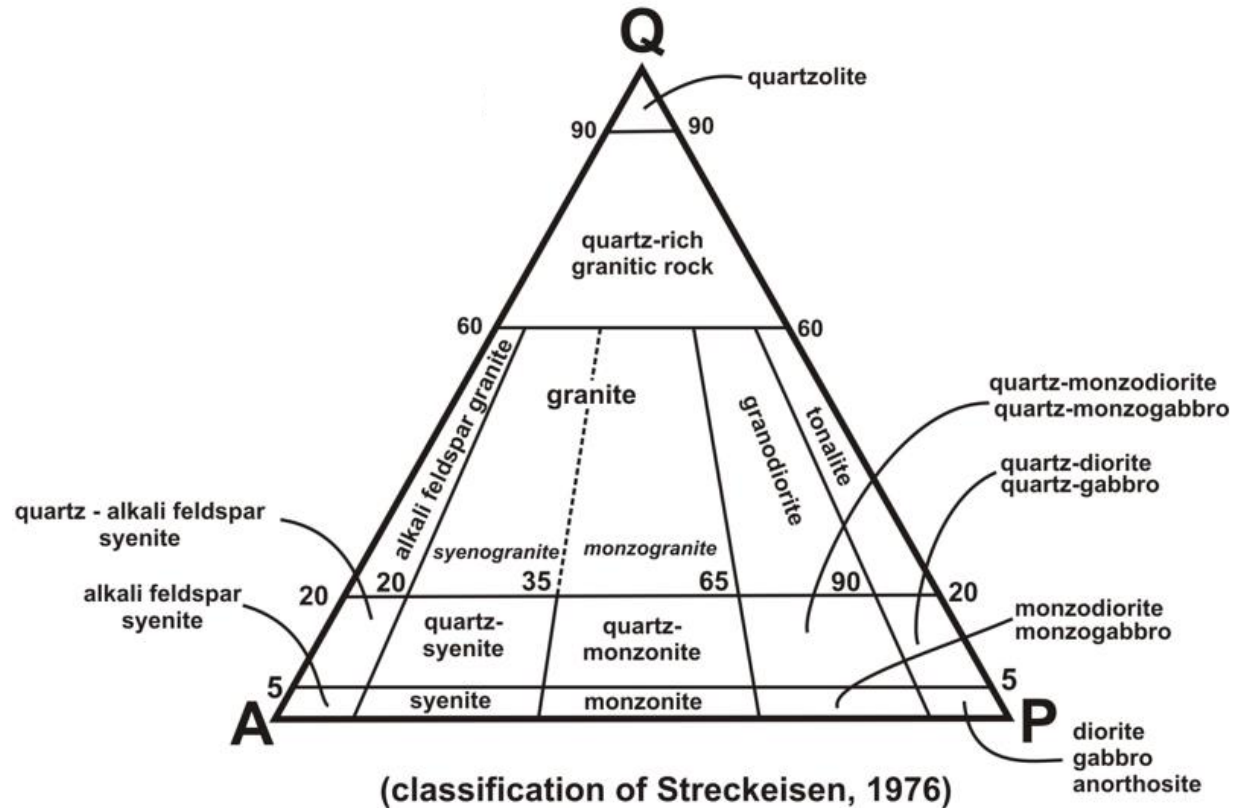
Name: \_\_\_\_\_

Date: \_\_\_\_\_

Block: \_\_\_\_\_

Naming using a Q(ualtz) A(lkali Feldspar) P(lagioclase)

if the percentage of quartz, alkali feldspar, and plagioclase can be determined, then the rock can be given its proper name

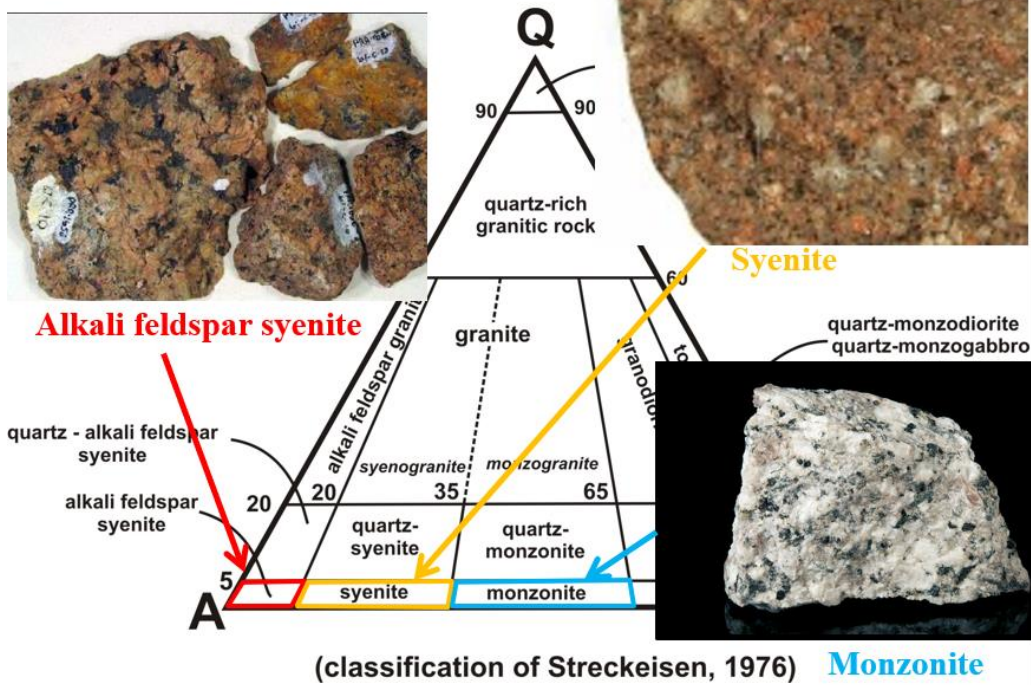




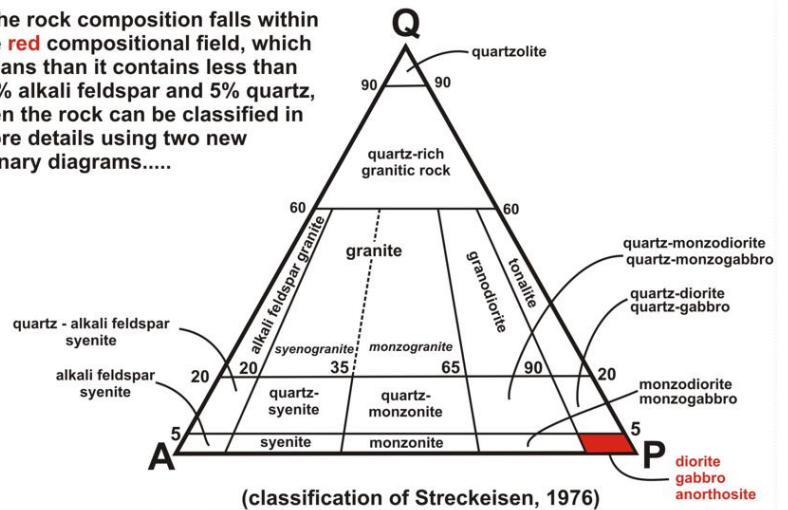
**Alkali feldspar syenite**



**Syenite**



If the rock composition falls within the red compositional field, which means that it contains less than 10% alkali feldspar and 5% quartz, then the rock can be classified in more details using two new ternary diagrams.....



**Diorite or leucogabbro**



**Anorthosite**



**Troctolite**



**Gabbro**



**Pyroxenite**



**Dunite**

