Names_____(9am / 12pm)

GG101 – 3D Geology Puzzle

1) Work in groups of 3 and turn in one worksheet per group

2) Dike A, the Sill (which was fed by Dike B), and the Batholith are all IGNEOUS materials and therefore were injected from BELOW.

3) All other layers are SEDIMENTARY and therefore were deposited from ABOVE.

4) If one layer cuts THROUGH another layer it must be YOUNGER than the layer it cuts (i.e. Dike A must be younger than Layer G).

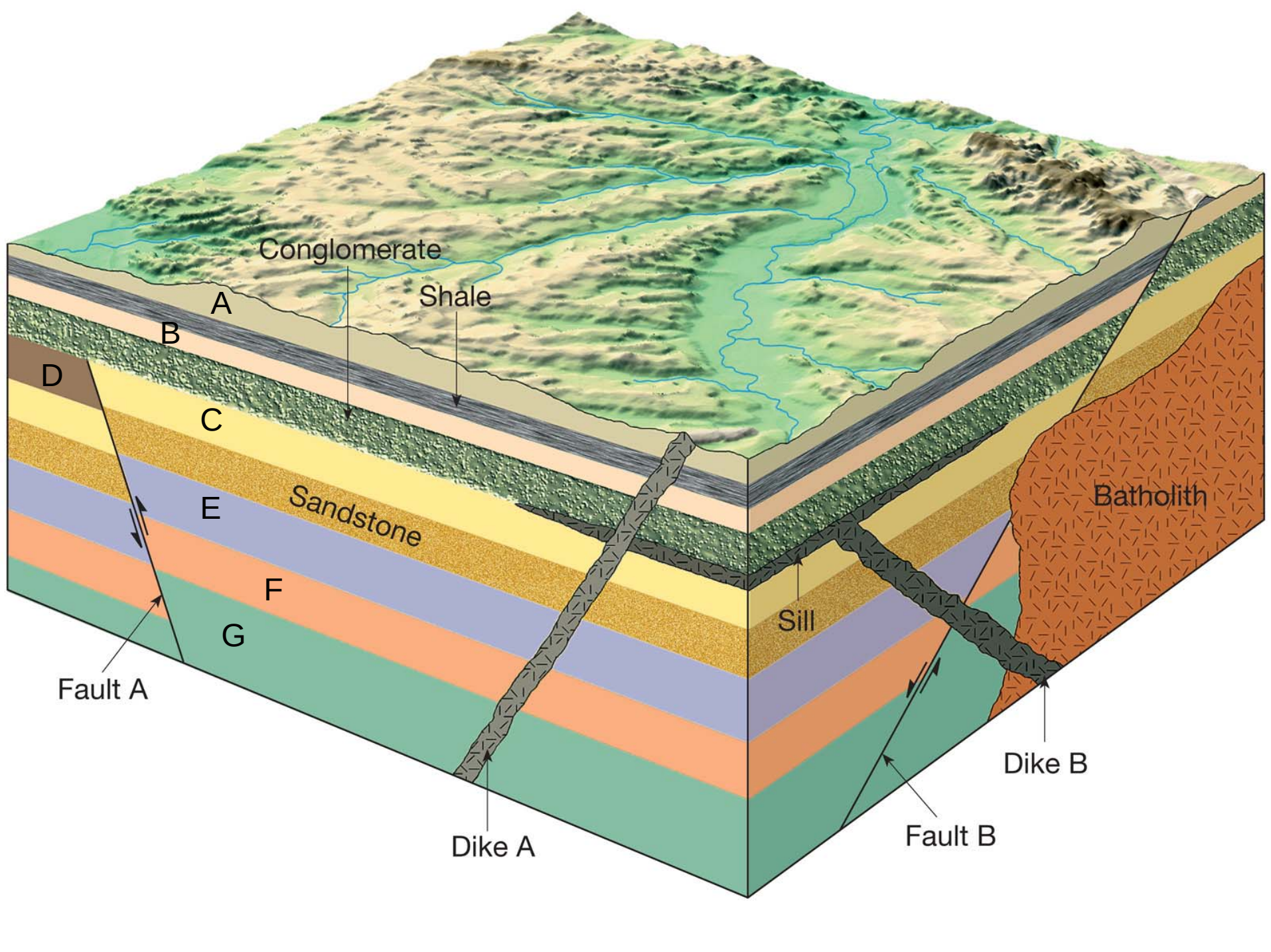
5) If a fault cuts THROUGH a layer it must also be YOUNGER than that layer (i.e. Fault B is younger than Layer G but older than Dike B).

6) **Your goal is to put all geologic features (igneous, sedimentary, and faults) in sequence from youngest to oldest.**

7) It's probably easiest to work your way from young to old.

8) Don't forget to consider features in 3 dimensions!

9) Check your answers before with Tiffany before you go.


Conglomerate
Shale
A
B
C
D
E
F
G
Sandstone
Batholith
Sill
Fault A
Dike A
Dike B
Fault B