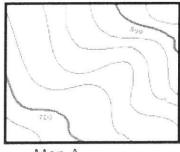
Parts of a Topographic Map

Topographic maps must show landforms on the earth's surface.

A. Contour lines on topography maps connect points of equal elevation.

A series of concentric circles general means a hill or mountain at a location

- **B.** Contour interval is the change in elevation from one contour line to the adjacent one.
- C. Contour index lines help determine the interval



Мар А



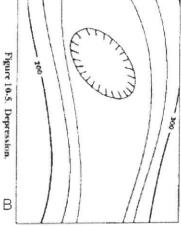
Bench Mark –

Contour lines **farther apart** indicate a **gentle** slope Contour lines **close together** indicate a **steep** slope

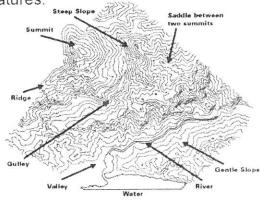
D. Depression contours have small hash marks pointing downhill called Hachured

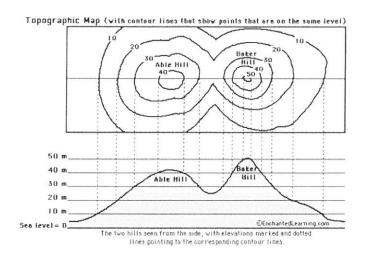
lines.

F. Gradient: = _____

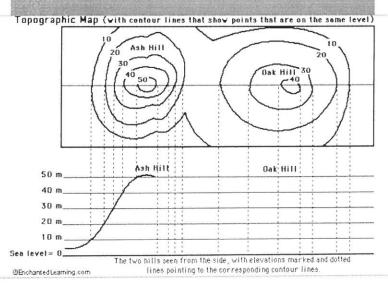


Other Features:

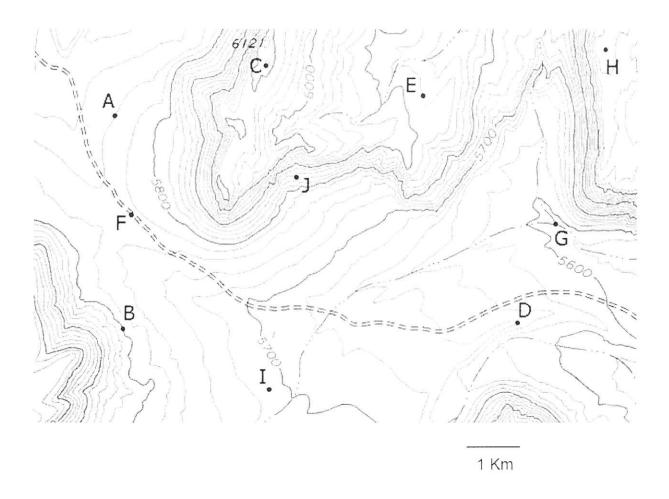




- 1. Color the elevations on the topographic map as follows. Red: 50m and higher, Orange: 40-50m, Yellow: 30-40m, Light green: 20-30m, Dark green: 10-20m, Purple: 0-10m.
- 2. Approximately how tall is Able Hill?
- 3. Approximately how tall is Baker Hill?
- 4. Which mountain is taller, and by about how much?
- 5. How many meters of elevation are there between contour lines on the topographic map?
- 6. Which mountain has steeper slopes?
- 7. Are the contour lines closer together on Able Hill or Baker Hill?



- 1. Color the elevations on the topographic map as follows. Red: 50m and higher, Orange: 40-50m, Yellow: 30-40m, Light green: 20-30m, Dark green: 10-20m, Purple: 0-10m.
- 2. Finish the mountain diagram below the topographic map, completing Oak Hill and drawing Ash Hill with proper elevations.
- 3. Approximately how tall is Ash Hill?
- 4. Approximately how tall is Oak Hill?
- 5. Which mountain is taller?
- 6. How many meters of elevation are there between contour lines on the topographic map?
- 7. Are the contour lines closer together on Ash Hill or Oak Hill?
- 8. Which mountain has steeper slopes?



What is the contour interval of the map above?
Mark on you map an area that is steep and one area that is gentle sloping.
What is the gradient from C – E?
Pick two other pairs of letters for your partiner and have them determine each gradient. Make one easy and one challenging. (Some letters are not on contour lines, so you will have to estimate the elevation change.) Remember Rise over Run.

Can you identify a Sumitt, Saddle, Valley, and a Ridge?

Profiling: (lets make this a challenge)

Choose one of the following sets of numbers and create a profile map. You and your partiner must choose different sets.

(Mr Linton will take the easy way out and do B-D as a sample)

A-G

F-H

B-H

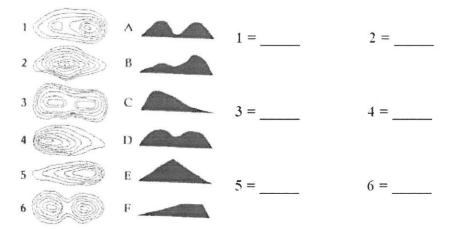
A-D

6100	
6000	
5900	
. 4	
5800	
-0	
5700	
A	
5600	

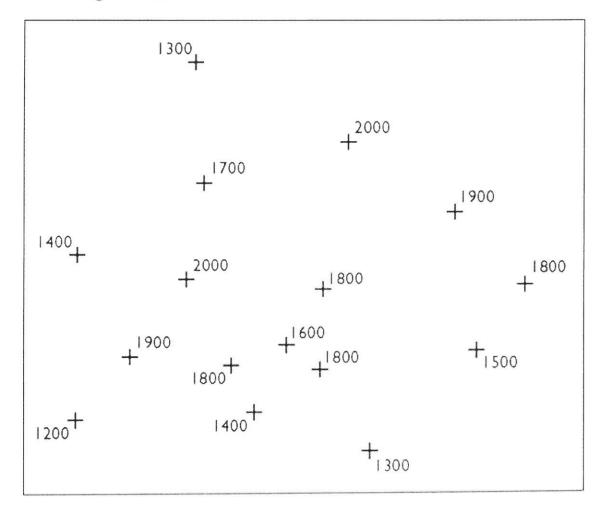
Fun With Clay Topography:

Draw a topography maps and see if yo need to be perfect but get it as close as		partiner can mimic it using the clay. It does not assible.		
Sample:	2			
Mold two landscapes using the clay and see if your partiner can draw a topography map of it. It must include at least the following features: steep side, gentle side, depression, and river. It does not need to be perfect.				
Sample:				
·				
·				

1) Topography: Match the following profiles:



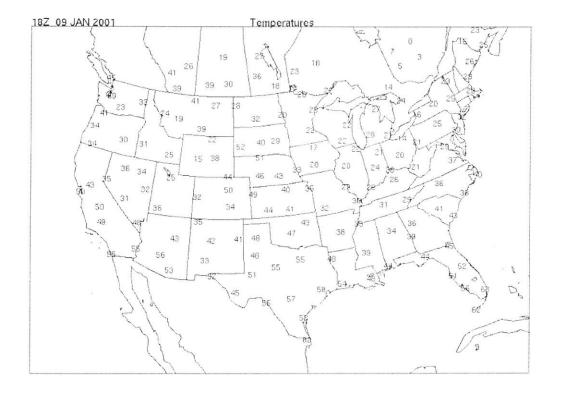
Contouring: Practice



Contour Interval = 100

Isotherms: Lines of equal _____

Indicate the Isotherms for the following temperatures: 10, 20, 30, 40, 50, 60



Isobars: (Lines of equal _____)
Finish the isobars indicate an L for Low pressure at the lowest point.

