



## Geological Mapping Exercise 7

For the geological map on the final page of this exercise answer the following questions.

1. What type of boundary is AB? Give a reason for your answer. \_\_\_\_\_

\_\_\_\_\_

2. What type of feature is the granodiorite? \_\_\_\_\_

3. What rocks are likely to be found in the metamorphic aureole around the granite?

\_\_\_\_\_

4. Which is older the granodiorite or the dolerite dyke? Explain your answer.

\_\_\_\_\_

5. Draw a geological cross section along the line X-Y. Start by drawing the topographical profile using a vertical scale of 1cm : 100m. Construct the geological boundaries to sea level.

**X**

**Y**

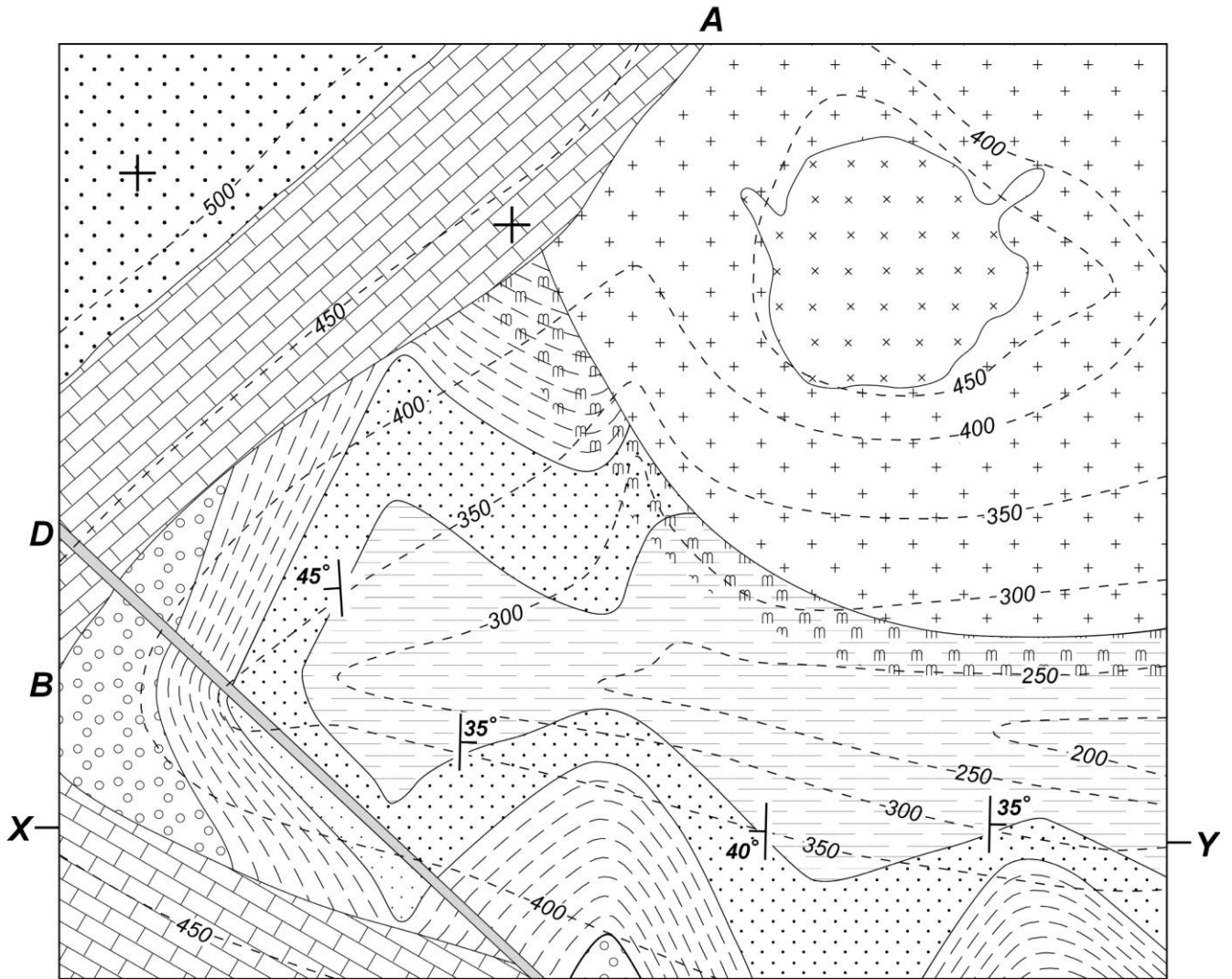
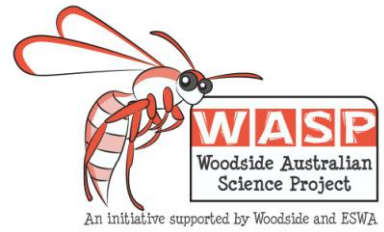
6. List the rock types in order of formation. Use the stratigraphic column provided.


**YOUNGEST**

**OLDEST**



# Geological Mapping Exercise 7



**C**

	Sandstone		Conglomerate		Horizontal bedding	
	Limestone		Granodiorite		Dip of bedding	
	Shale		Granite		Land contours at 100m intervals	
	Contact metamorphism		Dolerite			
	Mudstone					

0 100 200 300 400 500m