

Name: _____ Period: _____ Date: _____

Caves and Karst Web Quest

(7.2.7)

PART A: Cave Formations

(Part A may take the place of **Step 6** in the Cave and Karst Model Project)

Directions:

1. Explore the following websites. If you have this page downloaded opened in Safari, you should be able to tap the link to open it.

<http://www.goodearthgraphics.com/virtcave/virtcave.html>

<https://www.nps.gov/wica/learn/nature/cave-formations-speleothems.htm>

2. Examine the pictures of the different cave formations. There are WAY more than just stalactites and stalagmites!
3. Pick your THREE favorite formations.
4. Fill out the data table.
5. Make sure your drawings are NEAT, DETAILED, ACCURATE, and COLORFUL.

Name of Speleothem (Cave Formation)	Drawing of speleothem	Explain and describe how the speleothem forms and grows	Other interesting information about the speleothem?

6. Put an "x" in the boxes that answer the question:

Which of the following statements about stalactites and stalagmites are **TRUE**?

- Both stalactites and stalagmites are forms of "dripstones."
- Stalagmites hang from the ceiling of the cave and stalactites grow upward from the floor.
- Stalactites hang from the ceiling and stalagmites grow upward from the floor.
- Stalagmites forms of the floors of caves below the water table.
- Stalactites are deposited from water dripping from the ceiling in an aerated cavern (meaning the cave is above the water table and doesn't have much standing water).
- Both stalactites and stalagmites are composed of calcium carbonate/calcite mineral.

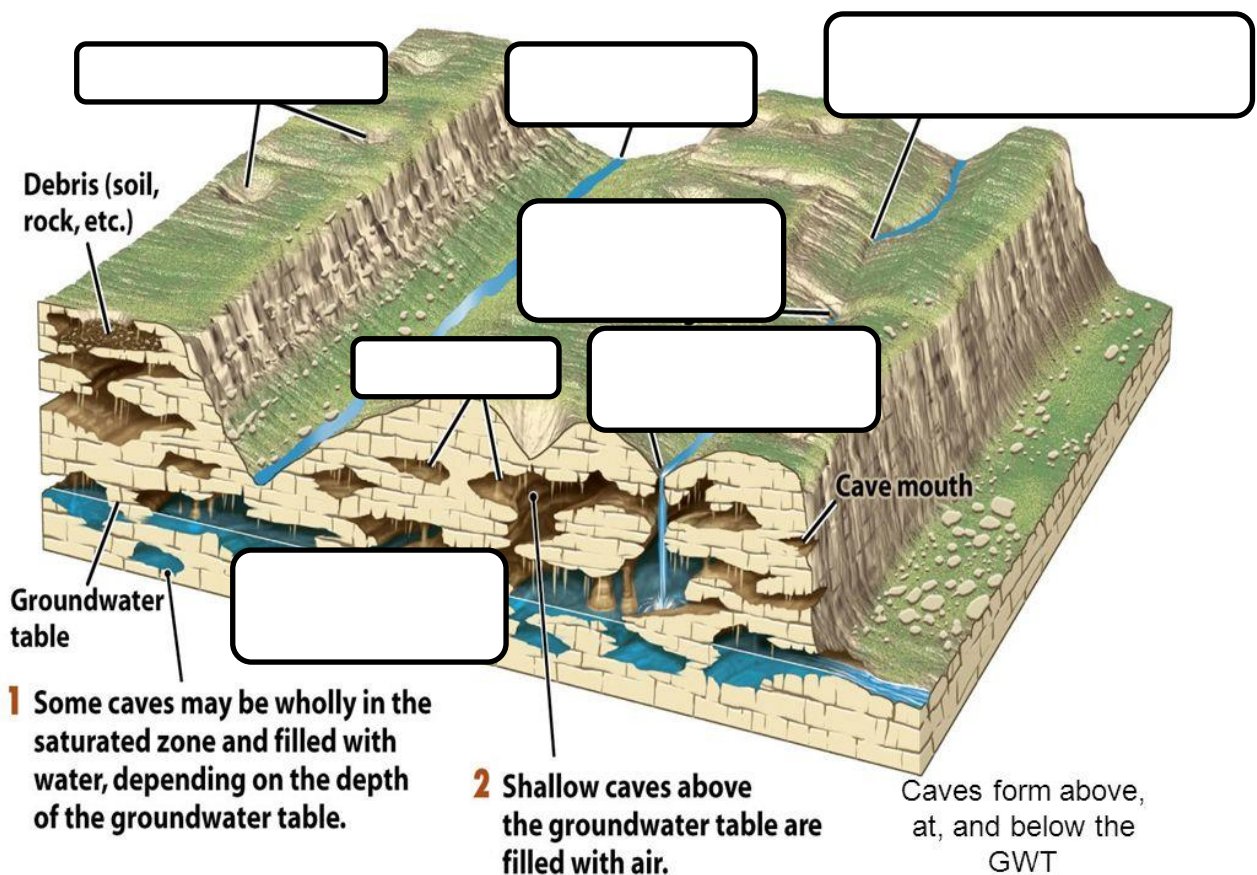
PART B: Karst Topography

(Part B may take the place of **Step 7** in the Cave and Karst Model Project)

Directions:

1. Below is a diagram that shows the surface and side view (called a cross-section) of a karst topography landscape.
2. Go to the following website to **label the missing karst topography features**:

<http://iasmania.com/wp-content/uploads/2016/02/Karst-Topography.jpg>



3. Examine the diagram below. It is different looking that the diagram above, but still shows the same features of a karst topography landscape.
- Write the letter that goes with each feature.
 - One feature is on here TWICE, so it will have TWO letters

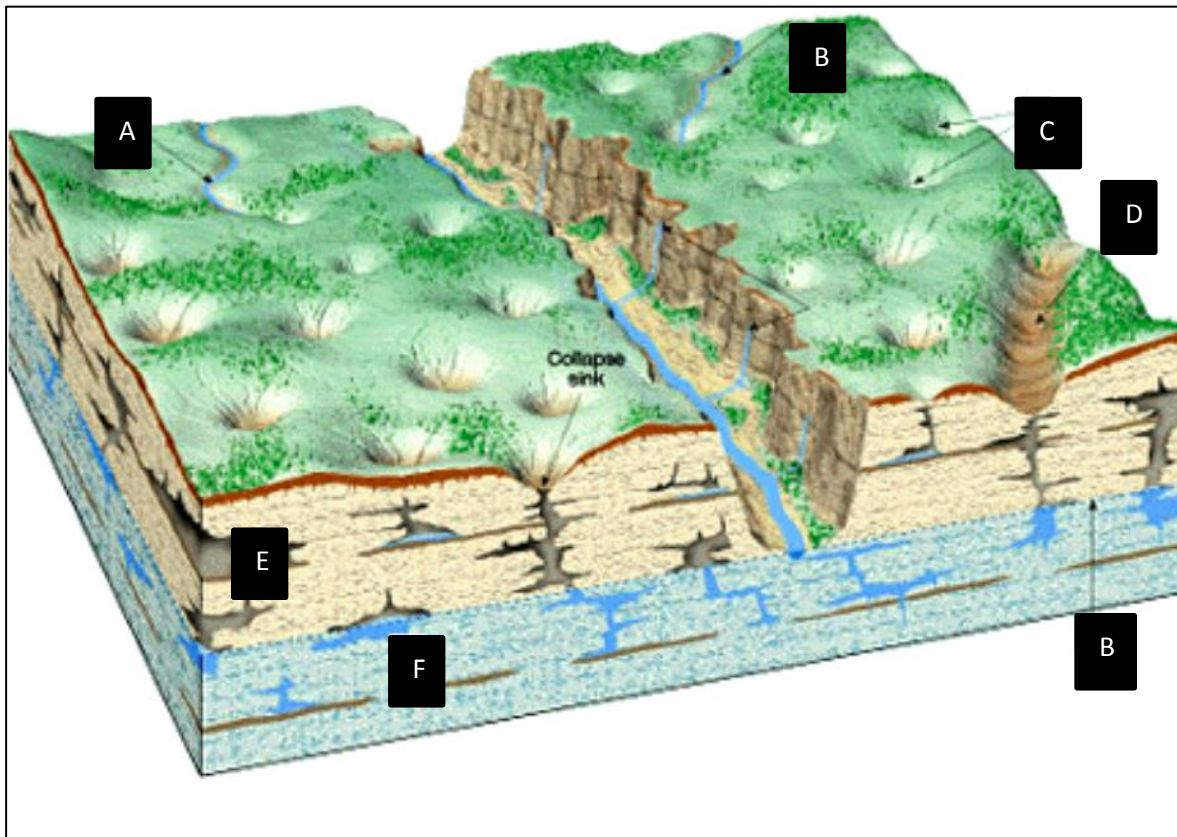


Diagram Letter	Karst Topography Feature
	Sinking/disappearing stream
	sinkhole/collapsed cave
	water-filled cave (water table is above cave floor)
	aerated cave (water table is below the cave floor)
	water table
	collapsed tunnel

- 7.2.7 Use geological features such as karst topography and glaciation to explain how large scale physical processes have shaped the land.
- NS 11 - Communicate findings using graphs, charts, maps and models through oral and written reports.
- DP 10 - Communicate the solution including evidence using mathematical representations (graphs, data tables), drawings or prototypes.