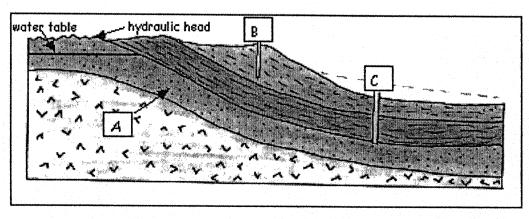


Use the photograph above to answer the questions below.

1. In Karst landscapes very little	water is seen on the surface. Surface water flows into the underground
cave system through a series of c	penings called
	en created by water dissolving 100% of the rock and transporting it s referred to as
3. Underground cave networks ca	n sometimes cover many square kilometres. In these areas the rock type
4. As water drips from the ceiling	g of the cavern, deposits are left behind to form a feature that
resembles an icicle in winter( see	W in photograph). This depositional feature, known as a
, can	take tens of thousands of years to form. Directly below it on the cavern
floor a similar feature starts to g	grow up towards the ceiling ( see X in photograph). This is called a
Eve	ntually a time will come when the two meet and a continuous column from
floor to ceiling known as a	will be formed.

Unit 2: Gradational Processes	
Topic: Karst Topography	Name
5. Small ponds and streams with crystal clear water	are a common sight in many cave systems. As water
flows along the stream bed, deposits are placed dow	
feature is referred to as	어느 사람들은 점심 그렇게 되는 사람들이 가지 않는데 그 사람들이 되는데 가장 하는데 가장 하는데 그렇게 되었다. 그렇게 되었다는데 그렇게 되었다.
6. Over time as the rock continues to dissolve, holes cave system become larger and larger and may join	s on the surface through which the water enters the together to create a larger depression known as a
7. Eventually the entire cavern may collapse creating	g a massive depression called a
8. Areas of Karst landscapes have become a major p	problem in many locations in North America and Europe.
In the past, homes were constructed without any kr	nowledge of the underlying rock type. Today, huge holes
	mes are located. The underlying rock has dissolved to
the point that it is unable to support the layers of r	rock above it, resulting in sudden collapses. Once cave
systems begin to collapse, it can take hundreds of y	ears for the area to stabilize.
Can you think of one economic benefit derived from	these dangerous, mysterious cave systems?

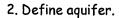
1. Explain the difference between zone of aeration and zone of saturation.

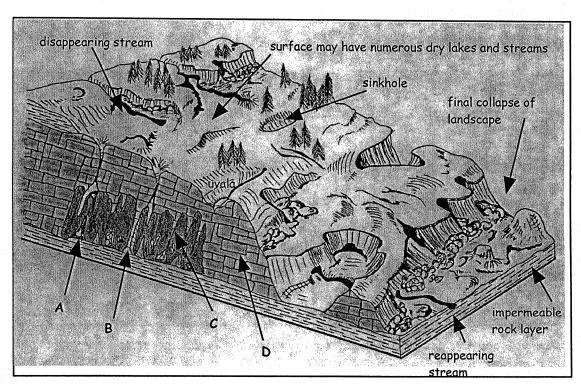


Use the above diagram to answer questions 2-5

2. Letter A points at a rock layer which readily absorbs water. Give the proper name for this permeable rock.
3. In well B the water table fluctuates throughout the year. What type of well is this?
4. In well C the water is under pressure and may even flow to the surface under its own power. What type of well is this?
5. Limestone caves have many unusual features created by deposits of dissolved limestone.
A growing mound of deposit on the cave floor is known as a
A growing mound of deposit hanging from the cave ceiling is known as a
6. In many cities along the U.S. Gulf Coast, such as New Orleans, the ground is subsiding at an alarming rate What is causing the ground to sink?

1. The top of the zone of saturation is referred to as the \_\_\_\_\_





Use the above diagram to answer questions 3-6

3. A mound of mineral deposits at A growing up from the cave floor is called a

4. Feature B forms when deposits from below meet deposits from above forming a continuous column from floor to ceiling called a \_\_\_\_\_\_

5. An icicle-shaped deposit C hanging from the cave ceiling is called a \_\_\_\_\_

6. What type of rock is D? \_\_\_\_\_\_

7. How is an ordinary well different from an artesian well?

Unit 2: Gradational Processes
Topic: Groundwater Terminology

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<b>A</b> 1 '				
Name				
1 401116				

Pick the correct term from the words in the box to fill in the blanks below.

artesian well stalactite porosity subsidence travertine terra	flowstone limestone stalagmite permeability ce	karst water table uvala ordinary well hydraulic head	aquifer polje hums

<ol> <li>A large depression resulting</li> </ol>	from the collapse of several sinkholes is known as a
2. A rock that dissolves 100%	in water
3. The top of the zone of satu	ration is called the
4. Is often the result when to	o much water is drawn from the ground.
5. A rock layer that can store	a substantial amount of water is called an
	ing from the ceiling of limestone caves.
7. This depositional feature co	an often be seen around hot springs and geysers
8. Layered deposits found alor	ng cavern stream beds are referred to as
9. From this well, water may f	low to the surface under its own pressure.
10	refers to the portion of open spaces in soil material.
11. The collapse of an entire co	avern creates a gorge-like feature called a
12. An area with substantial li	mestone rock is referred to as a landscape.
13. This term refers to hills o	f rock fragments following the collapse of all caves.
14. Water level will fluctuate	up and down in this type of well
15.	refers to how fast water can pass through rock layers.
16. Growing mound of limeston	ne deposit on a cave floor is known as a
17. The higher the	the greater the hydrostatic pressure in the aguifer