0 1

0

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Backgrour	nd information:
	Microbiology:
	The study of micro-organisms
	Characteristics of Bacteria: Single celled prokaryotes
Drawing:	
	title of drawing
	pencil
	field of view

Name: _

	field of view	0	T
	magnification	0	1
	microscope number	0	1
Labels:			
	outside field of view	0	1
	horizontal with ruler	0	1
	bacteria types	0	1

Part B: Identifying bacteria				
Correct classification of bacteria	0	1	2	
Strep infection (tonsillitis)	0	1		
Staph infection (boils/blisters on skin)	0	1		
Discussion questions:				
1.	0	1	2	
Autotrophs — make their own food				

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Autotrophs – make their own tood Heterotrophs – consume food			
2.	0	1	:
Binary fission – bacteria copy DNA and bacteria splits into 2 identi	ical ba	cteri	а

Conjugation – bacteria exchange plasmid DNA with another bacteria – produces genetic variation.

0

Endospores developed to withstand harsh environments like heat

0 1 2 3 4 5 6

0 1 2

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Symbiotic relationship - when two species live in close interaction

- Mutualism: both species benefit - ex/ large intestine bacteria - Commensalism: one species benefits, the other is unaffected - ex/ bacteria on whales' teeth

- Parasitism: one species benefits, the other is harmed - ex/ lysteriosis

0 1 2 3 4

Obligate aerobes – need oxygen to survive

Obligate anaerobes - live in environments with low or no oxygen

Faculative anaerobes - can live in environments with or without oxygen

Fermentation - when oxygen is unavailable - anaerobes obtain energy from sugars and produce alcohol as a byproduct.

Total:

3.

4.

5.

/29