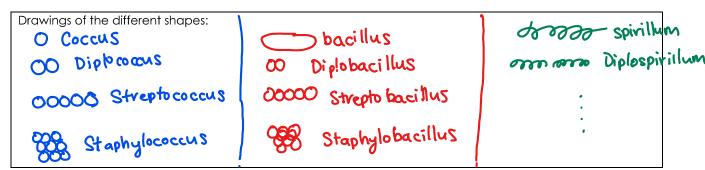
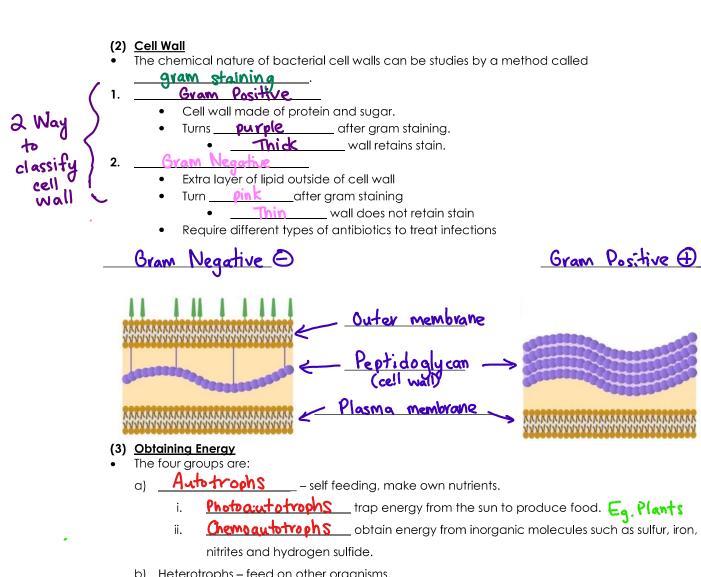
Name: Date:	avd 27th Block:
CHARACTERISTICS OF B GROUPS OF MONERANS Prokaryotes Before: All prokaryotes were placed in Kingdor Currently split into two kingdoms: Kingdom Archaea Kingdom Eubacteria	Moneva.
Archaebacteria	Eubacteria
Live in harsh environments No oxygen High temperatures High salt concentrations Major differences Absence of peptidoglycan in the cell wall	Wide range of organisms Live almost
CHARACTERISTICS OF BACTERIA Identifying prokaryotes Bacteria are prokaryotes classified based on: 1	
(1) <u>Cell Shape</u> (a) There are 3 basic shapes: i. <u>Cocci- sphere shape</u> ii. <u>Bacillus- rod shape</u>	
iii. <mark>Spirillum</mark> - <u>spival shape</u>	
(b) Bacteria arrangements may include: (som	e cells stick together in colonies)
i. Diplo- colonies of 2	
ii. Staphylo- <u>lavge clumps</u>	Example: Staphylococcus
iii. Strepto- long chains	Example: Streptococcus
Drawings of the different shapes:	1
	acillus do ood spirillum
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b) Heterotrophs – feed on other organisms.

Photohetevotypohs use sunlight for energy AND also need organic molecules. i.

<u>Chemo heter of roohs</u> obtain energy by breaking down and absorbing organic Eq. Humans molecules.

(4)	nergy Release Living Conditions
a.	Aerobic - use <u>oxygen</u> and the breakdown of lood
	molecules in a process called respiration.
b.	Anaevobics – DO NOT use oxygen. They rely on a less efficient process called
	feymentation to obtain their energy.
	a. Obligate aerobes cannot survive without oxygen.
	b. Facultative anderobes do not require oxygen but aren't poisoned by it either.
	c. Obligate an aerobes - oxygen will kill them.