

7TH GRADE SCIENCE FINAL EXAM CH 2 CYCLES & SUCCESSION REVIEW

Name _____

ES Chapter 2-1

1) Name the spheres:

Matching:

			Why is this element needed in organisms?
1)	carbon	A	allows waste and needed materials to move, solvent that chemical reactions can take place in
2)	nitrogen	B	makes outside edges of DNA & RNA. makes ATP, cell membranes, bones, & teeth
3)	phosphorus	C	needed in amino acids, thus makes proteins. part of DNA and RNA molecules. part of enzymes.
4)	water	D	used in every organic molecule. most important atom in every component of cells.

5) Compare and contrast decomposition and combustion.

Fill in the charts:

		Done by?	What gas leaves or enters?	Gas enters atmosphere or exits?
	Respiration	6)	7)	8)
	transpiration	9)	10)	11)
	photosynthesis	12)	13)	14)

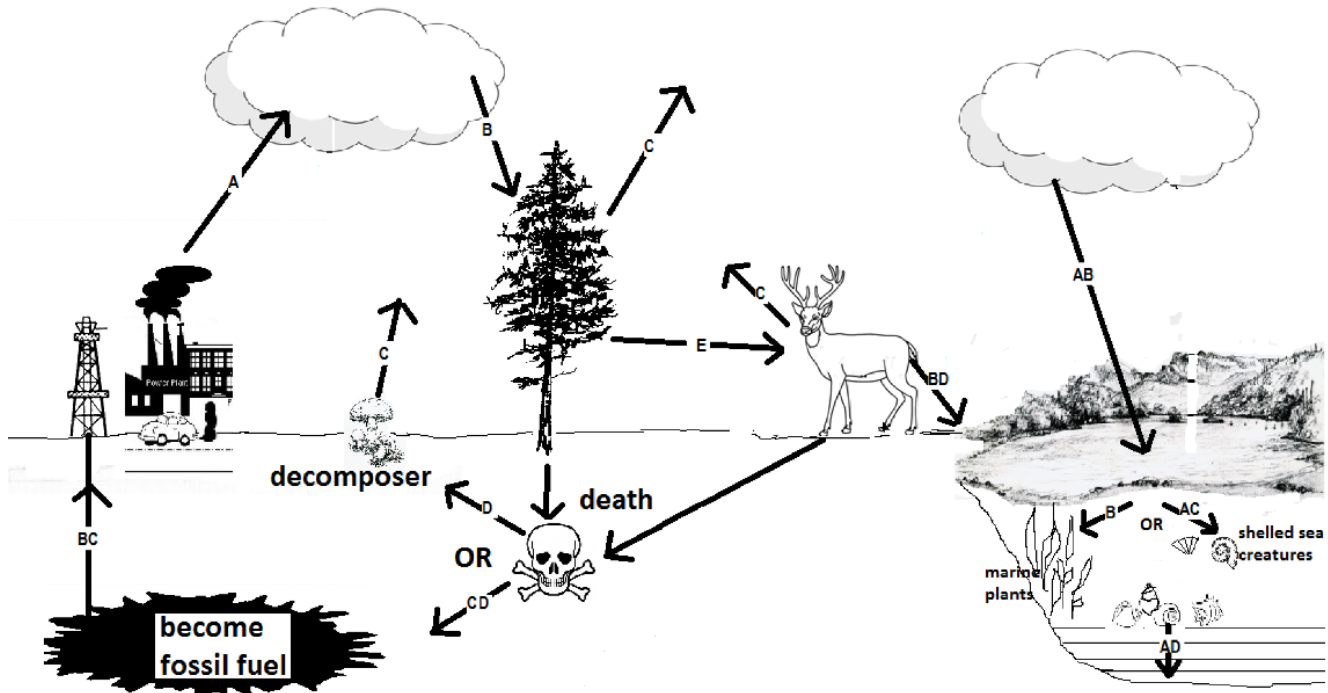
		Done by?	What gets married	Useable or unusable?
	fixation	15)	16)	17)
	nitrification	18)	19)	20)
	denitrification	21)	22)	23)

24) Which cycles have lithification? _____

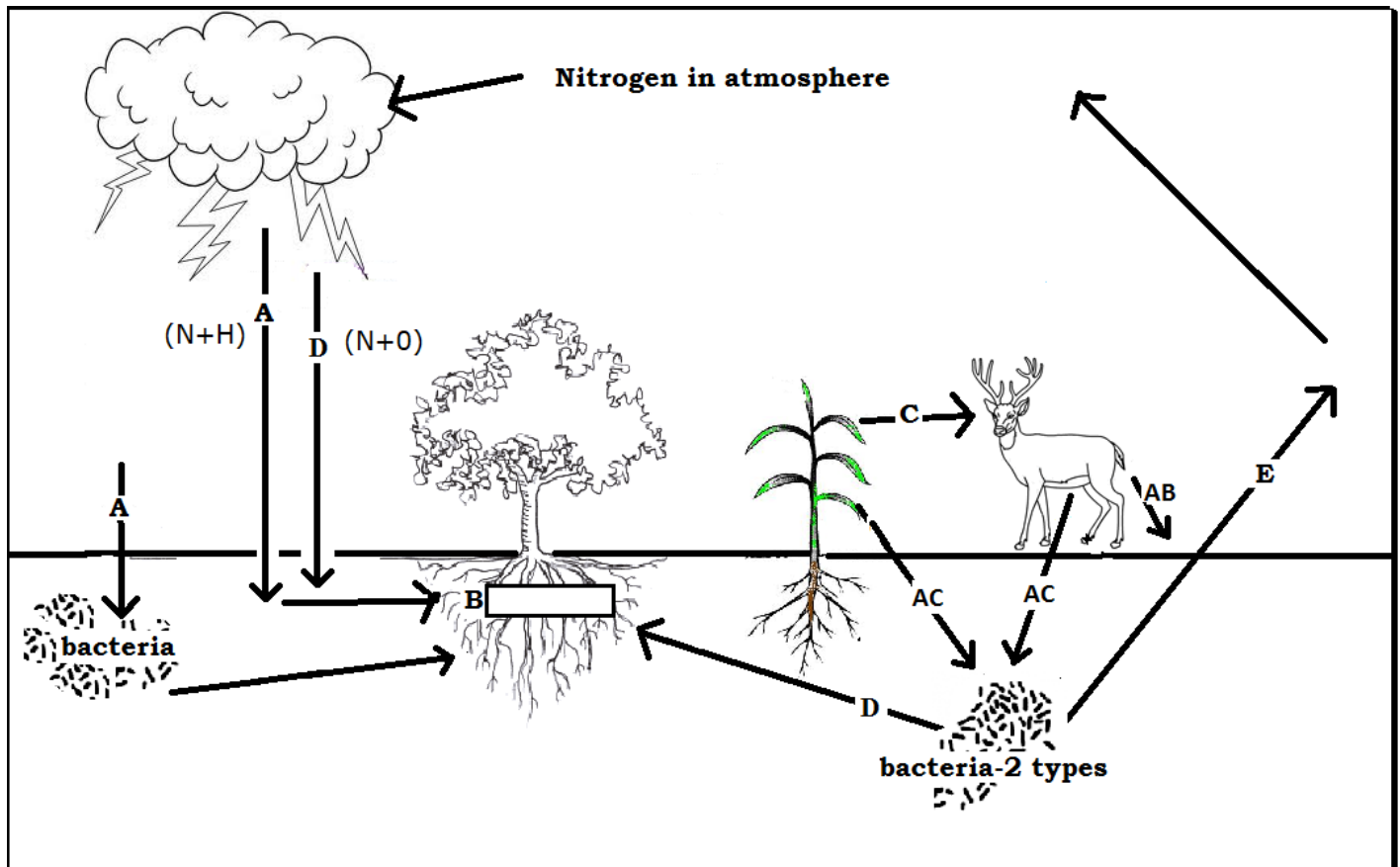
25) Once rocks are formed (trapping atoms in these cycles), how do those atoms get released again?

26) A lobster has a crusty shell due to the process of _____.

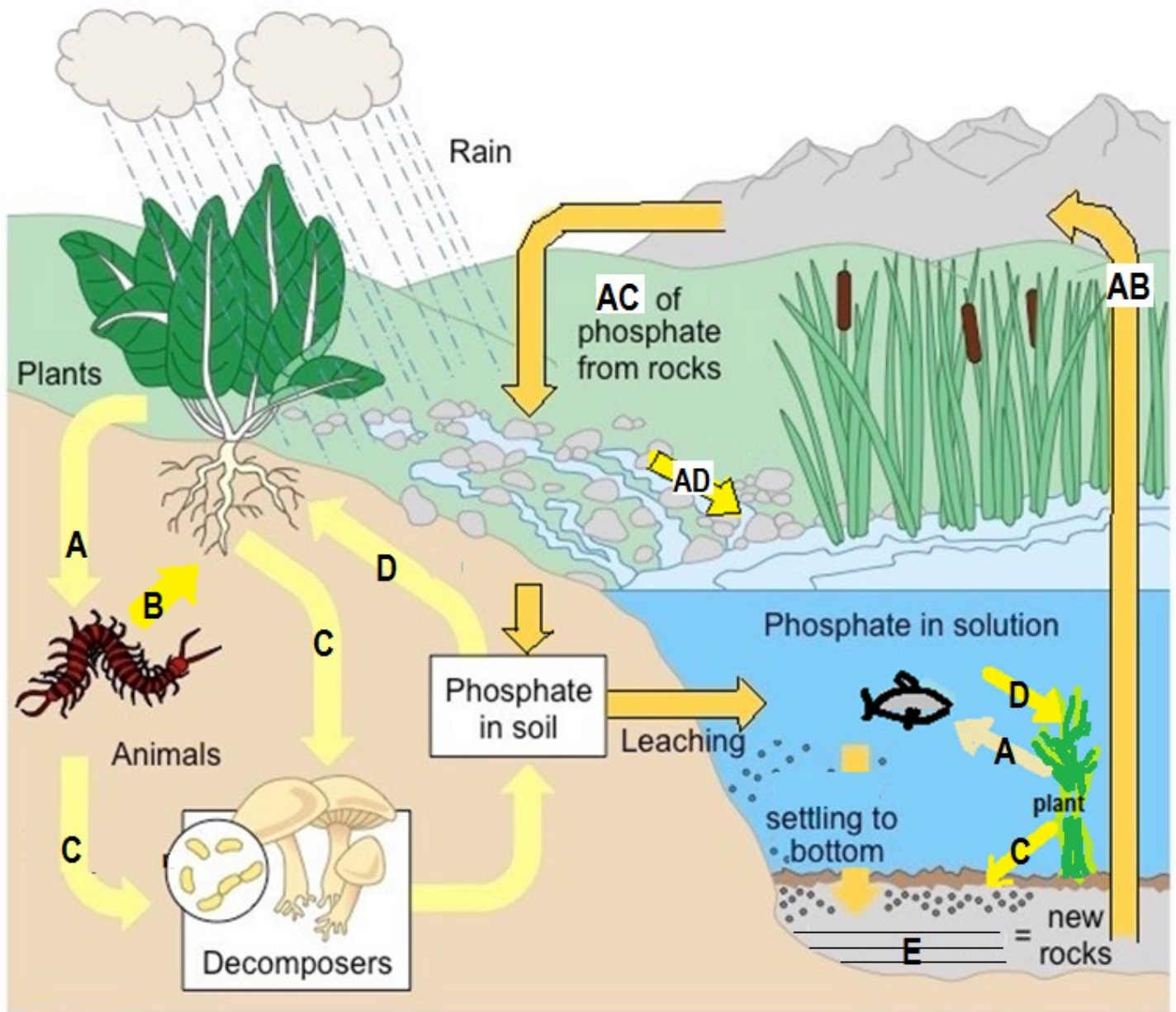
27) Label the carbon cycle using the following terms: Photosynthesis, Combustion, Decomposition, Fossil Fuels, Respiration, Consumption, Excretion, Diffusion, Lithification, Biomineralization, Extraction, Fossilization



28) Draw and label the nitrogen cycle using the following phrases: Ingestion, Death, Denitrification, Nitrogen Fixation, Nitrification, Assimilation, Excretion.



LABEL THE PHOSPHORUS CYCLE BELOW:



29) A= _____

30) B= _____

31) C= _____

32) D= _____

33) E= _____

34) AB= _____

35) AC= _____

ES Chapter 2-2

Define:

36) Succession- _____

37) Pioneer Species- _____

38) Climax species- _____

39) Primary Succession- _____

40) Secondary Succession- _____

41) Biodiversity- _____

42) What are the steps/plants in primary succession? How long does it take?

43) What are the steps/plants in secondary succession? How long does it take?

44) What is the most important creature for making soil from bare rock? _____