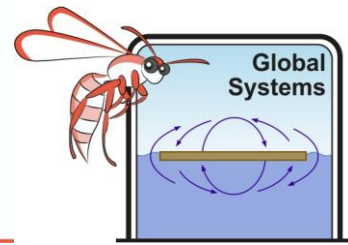


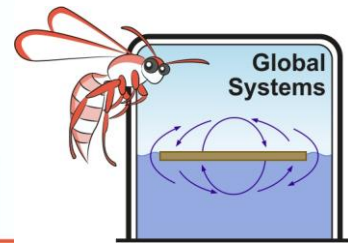
Global Systems – Student Review



M A T E R I A L S L L R D Z E
D R R E S E R V O I R E E C R
K E X E B W E A T H E R P O E
C F C E T L P H C V E U O N H
A S M O C A O A I H G T S D P
B N C Y M S W T P N N A I E S
D A C K P P I S T X A R T N O
E R E H P S O R D Y H E I S M
E T E T O I E S N C C P O A T
F R S P B E E C I Q S M N T A
E P H O T O S Y N T H E S I S
C R Y O S P H E R E I T I O P
M N E V A P O R A T I O N N O
N O I T A R I P S E R C N Y O
F K G N I R E H T A E W S J L

Find the 24 words used in Global Systems Science above.

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Major concepts covered

1. Name the four major spheres through which global systems cycle materials and energy.

2. To which sphere does the cryosphere belong? _____

3. What is the name for the long-term storage location from which materials are moved?

4. To maintain balance, what two things must be balanced in a cycle?

5. What is the name for a process that may cause materials to be rapidly moved causing imbalance?

6. By which process do plants release carbon dioxide into the atmosphere?

7. By which process do plants take carbon dioxide from the atmosphere?

8. Name a long term and a short-term carbon sink.

Long term _____ Short-term _____

9. What is the difference between climate, weather and seasons?

10. How can understanding the science behind global systems help us make good decisions at this time?
