Created by Brittany Nunziato

The Unit Organizer

④ BIGGER PICTURE

NAME Brittany Nunziato
DATE 7/6/21

relationships between diverse organisms in the environment

② U1. LAST UNIT /Experience
Study of Environmental Science

① U2.   CURRENT UNIT
Ecosystem Dynamics

③ U3. NEXT UNIT /Experience
Biodiversity

⑧ UNIT SCHEDULE

Case Study
Ecosystem Types
L.17.7/.4/.20 * Quickcheck *
L.17.10/.16 * Quickcheck *
L.17.6/.9/P.10.1/.2 * Quickcheck *
Unit Review
Unit Test

⑤ UNIT MAP

is about...

characteristics of ecosystems.

including

such as

ecosystem types (including) (L.17.7)

such as

changes in ecosystems (L.17.4/.20)

including

cycling of matter (L.17.10/.16)

ecological relationships (L.17.6/.9 + P.10.1/.2)
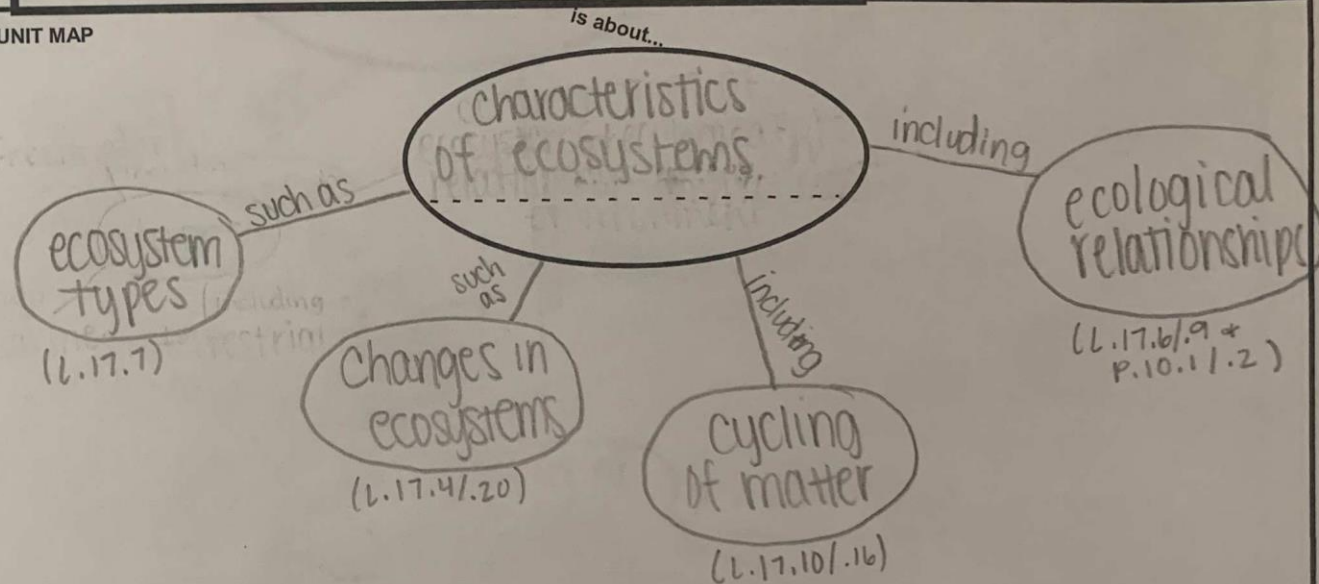
⑤ UNIT SELF-TEST QUESTIONS

1. How does each type of ecosystem differ in terms of biotic + abiotic factors?
2. Describe changes that can occur in each type of ecosystem.
3. Explain how humans can impact each biogeochemical cycle and the implications.
4. What are the different types of common species interaction?
5. Predict how much energy is available at a given trophic level.

⑥

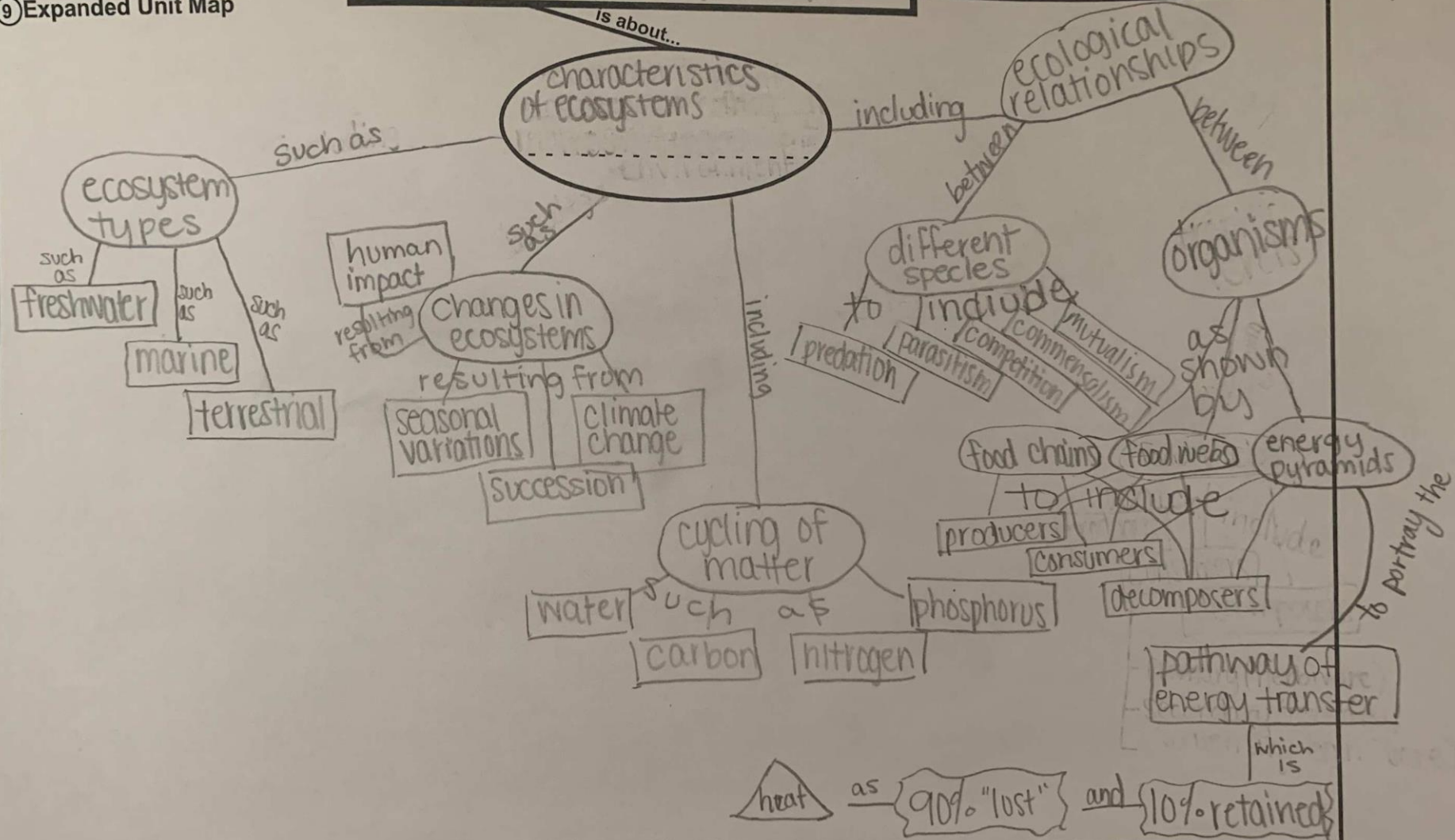| |
|---|
| compare + contrast |
| explanation |
| flowchart |
| cause + effect |

UNIT RELATIONSHIPS

⑦

The Unit Organizer

Ecosystem Dynamics

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⑨ Expanded Unit Map

is about...

characteristics of ecosystems

including

ecological relationships

Such as

ecosystem types

such as → freshwater

such as → marine

such as → terrestrial

such as → **changes in ecosystems**

human impact

resulting from → changes in ecosystems

resulting from → seasonal variations | climate change | succession

including → **cycling of matter**

water — such as — phosphorus

carbon | nitrogen

between

between — **different species** — to include → predation | parasitism | competition | commensalism | mutualism

between — **organisms**

as shown by → food chains | food webs | energy pyramids

to include → producers | consumers | decomposers

to portray the → pathway of energy transfer

which is → heat — as — 90% "lost" — and — 10% retained

⑩ NEW UNIT SELF-TEST QUESTIONS

BACK