

Animals

2x2

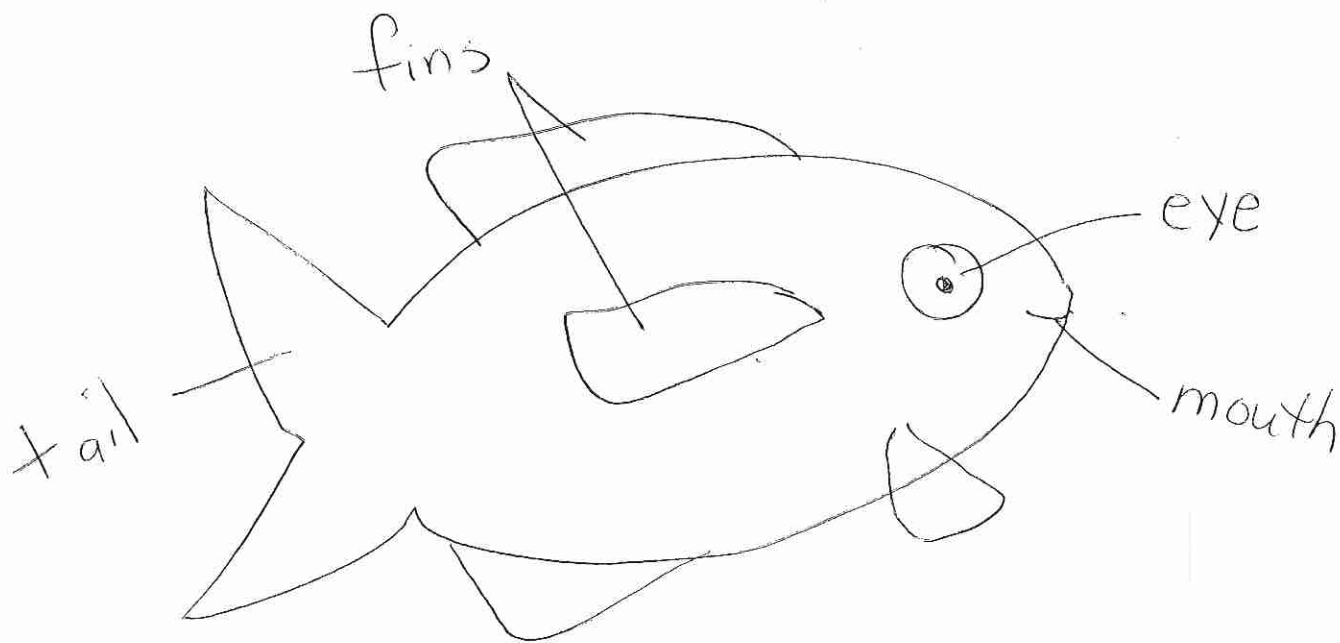
3rd Edition

Notebook

Date:

FQ: What are the parts of a goldfish?

Data: Scientific Illustration



Teacher Note:

Encourage thinking:
eyes/seeing
mouth/eating
fins + tail/moving

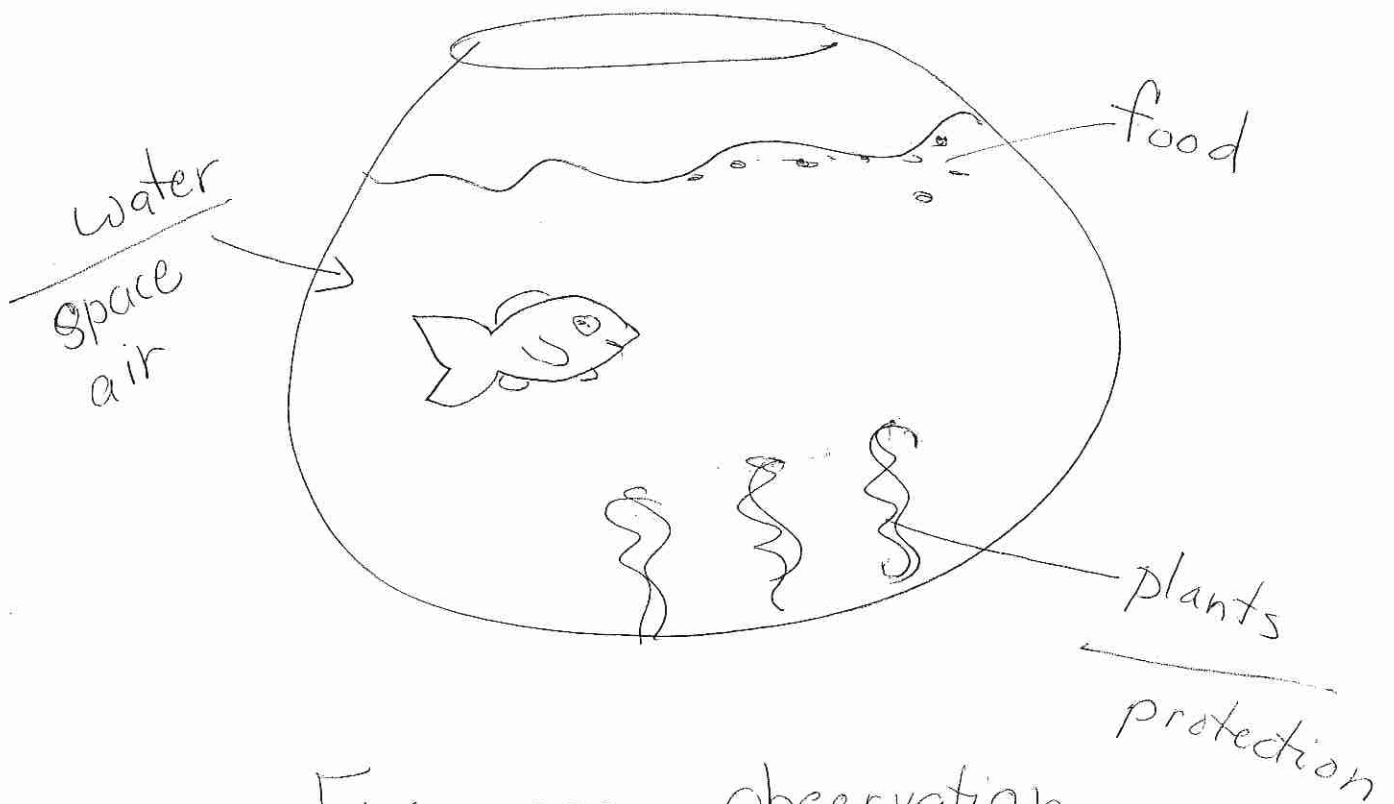
I observed a goldfish
uses fins to help it
move. (I know this because...)

↳ orally
In addition, they swim
to the top to get their
food.

Date:

FQ: What do goldfish need
to live?

Data:



Encourage observation
over days to observe
effects of adding food,
clean water, and plants

I noticed the goldfish
hides in the plants. (I
think this because it makes
him feel safe.) - orally

or

I noticed the goldfish
swims to the top to get
food. (I know this because...)

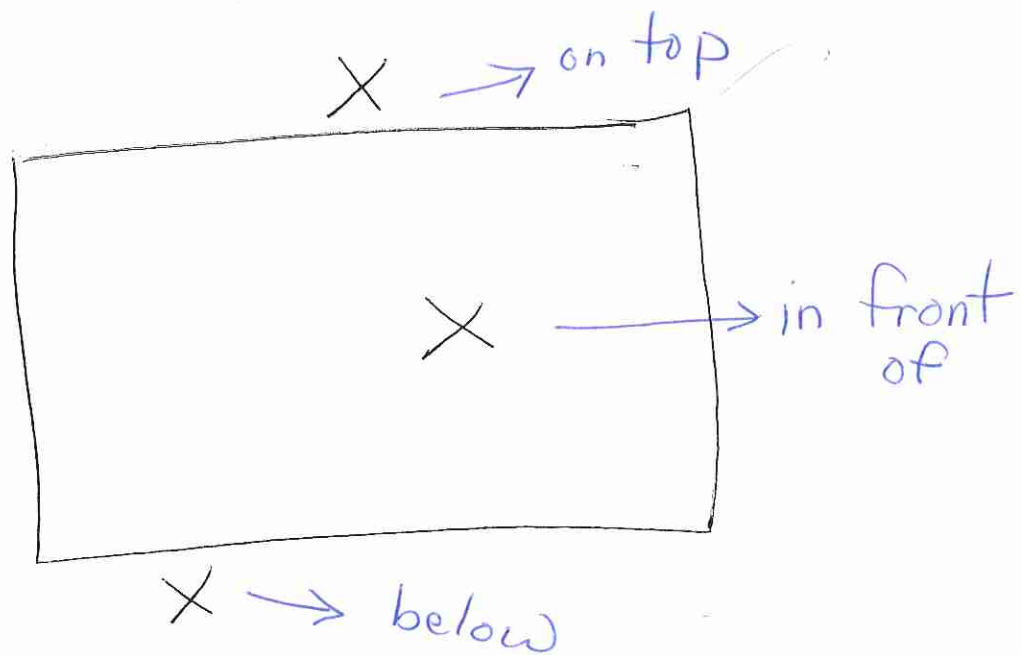
or

I wonder

Date:

FQ: What do (goldfish) do?

Data: Draw ^(rectangle) tunnel and put
X where they saw fish swim.



Encourage vocabulary:
above
below
in front of
next to

I observed that the goldfish swims in and out of the tunnel. (I wonder if he does that to hide.) orally

In 2 minutes, the goldfish went in the tunnel 5 times.

Date:

FQ: How are guppies and goldfish
(same)
alike and different?

Data: Box + T → whole group lesson

* First do different, next day same!

in water	eyes
eat elodea	mouth
eat fish flakes	
fins	
swim	

guppies	goldfish
gray/blue	orange
small	big
O tail	V Tail

Reading: Fish Same and Different

I observed they are the same
because guppies and goldfish
both eat fish flakes.

or

I observed they are different
because the goldfish is orange
but the guppy is gray.

I wonder...

or

Guppies and goldfish are
alike because they both
eat fish flakes.

They are different because
guppies have a circle tail
but goldfish have a triangle
tail.

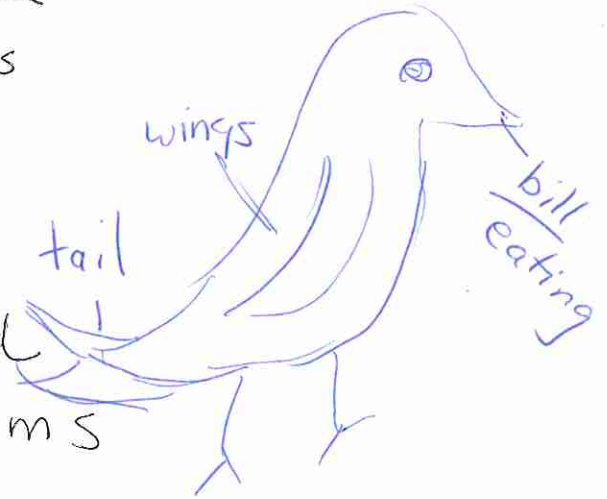
Date:

FQ: What birds visit our Schoolyard?

Data: make binoculars - tp rolls and string
Bulleted list - whole group

teacher

- blue birds
- gray with red beak
- fly from branches
- wings flap
- different sounds
- eyes
- beaks are pointed
- eat berries, worms



Teacher Notes: Set up bird feeders
pictures of birds common to area

Reading: Birds Outdoors

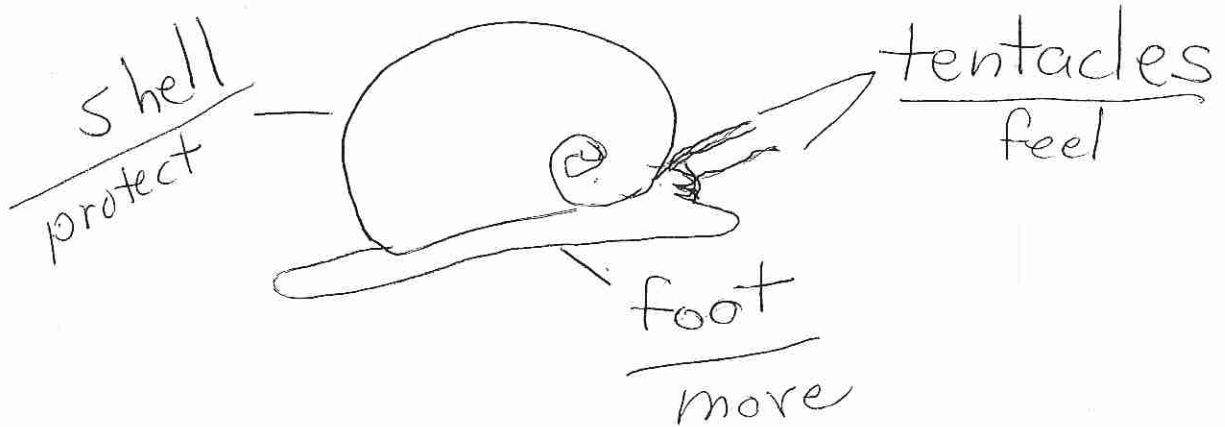
Video: A House for Hermit Crab?

I observed a small gray bird. It kept flying from branch to branch. (I wonder if) or In addition, the birds make many different sounds.

Date:

EQ: What are the parts of a water snail?

Data:



I observed that
a water snail has
two tentacles (I think
they help him move and
feel.)

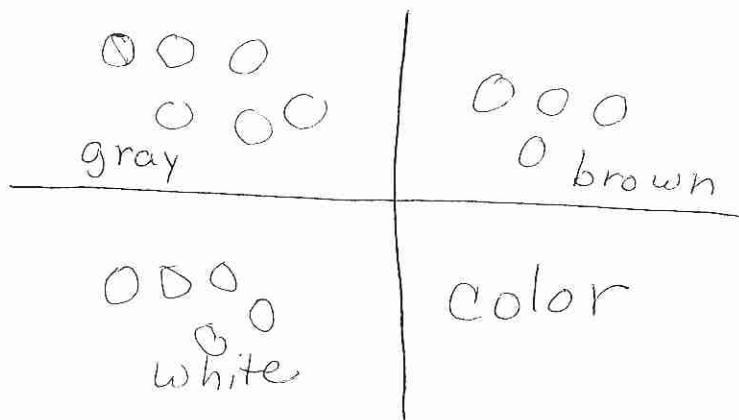
Date:

FQ: How can shells
be grouped?

Data:

Pick one way and
illustrate!

Size / color / shape / texture
pattern



Video: Seashore Surprises.

I grouped my shells by color. 6 were gray, 4 were brown, and 5 were white. There were ~~the~~ most gray shells. I wonder who lives in my shells.

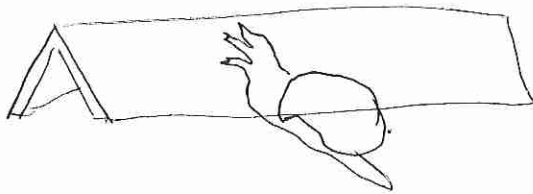
Date:

FQ: What do land
snails do?

Data: Bulleted list w/teacher

- hang upside down
- faster when wet
- feel with 4 tentacles
- eat leaves carrots
- attracted to light

Scientific illustration of
land snail doing something!



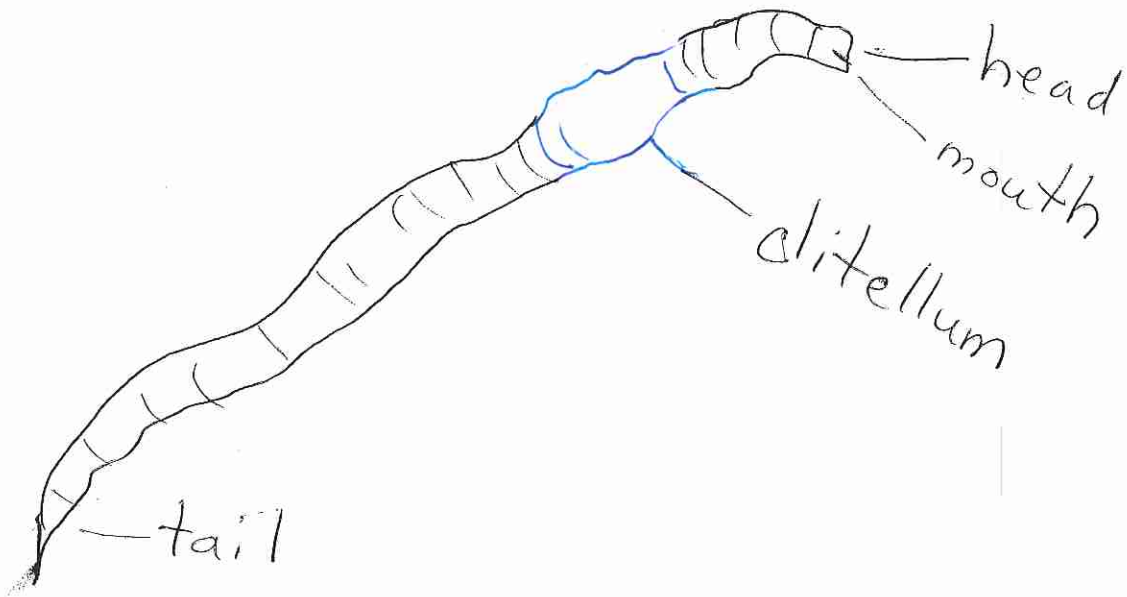
Reading: Water and Land
Snails

I observed the land snail going over the fence. His foot goes back and forth when he moves. In addition, he moved faster when he was sprayed with water.

Date:

FQ: What are the parts of a
Pedworm?

Data:



Teacher info:

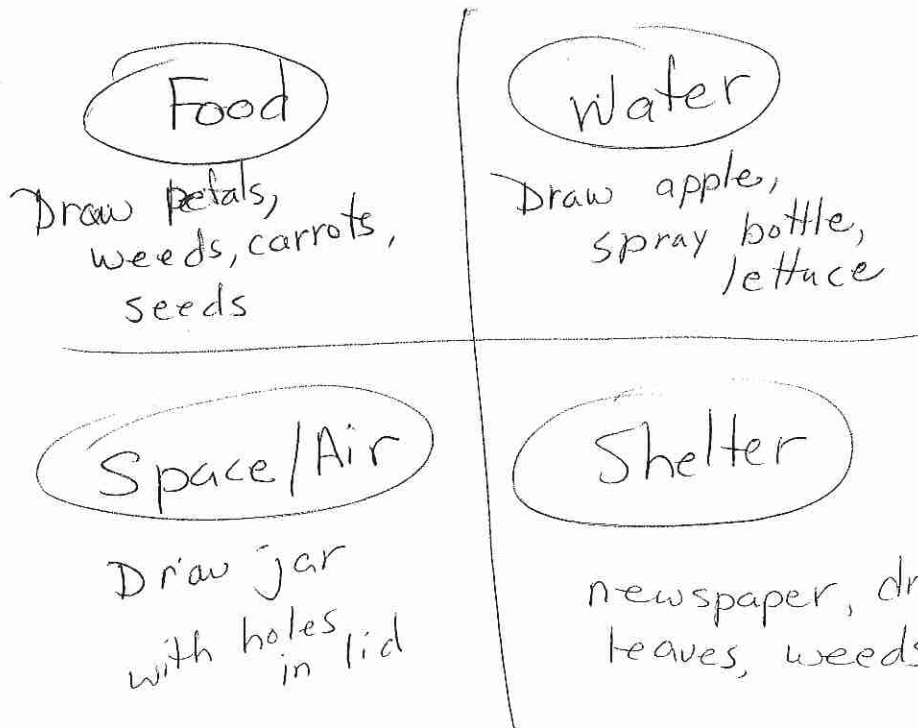
- sense with entire body (no eyes, nose)
- live underground - come up when rains (watch out for drowning) to breathe (5 hearts, no lungs, breathe thru skin)

I observed that a redworm has a head and a tail. In addition, it has segments that move and twist the body to help it move.

Date:

FQ: What do redworms need to live?

Data: After ^{observing} watching jar:

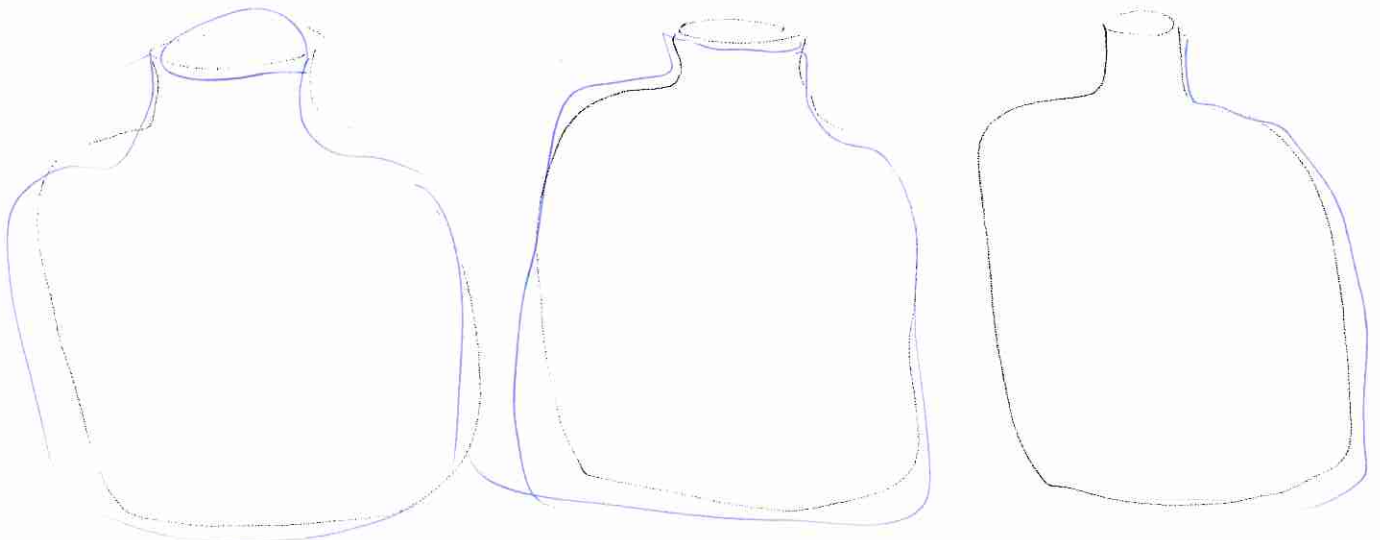


OR

wk 1

wk 2

wk 3



Redworms need air and space to live. In addition, they need food, water, and a home.

I observed my Redworm curling up in the newspaper to feel cozy. It reminds me of curling up in my bed.

Date:

FQ: How are red worms and night
crawlers alike and different?

Data: whole class - after observing worms

Segments
head + tail end
Need water + food
wiggle forward

red worms	night crawlers
small red-brown smooth	big brown rough on belly

Reading: Worms in Soil

The redworms and night crawlers are the same because they both have segments. They are different because the redworms are smooth and the night crawlers are rough on their bellies. I wonder

Date:

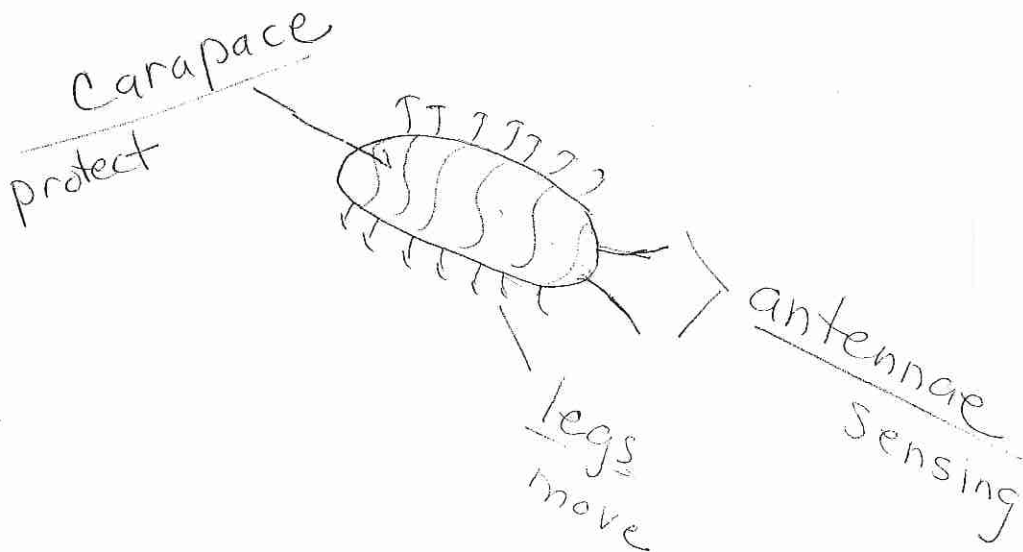
FQ: What are isopods?

Data:

teacher

- 14 legs
- 2 antennae
- can't climb
- some roll in ball
- brownish
- grayish
- carapace (outside covering)

illustration



I observed the isopods are little animals (bugs) that have lots of legs. I counted 7 on each side. I think he uses them to move really fast. In addition,

Date:

Q: How are pill bugs and sowbugs alike and different?

Date:

hard carapace
14 legs
need moisture
eat potato or carrot

pill bugs	sowbugs
rounder roll up darker color short antennae	flatter turn over lighter color long antennae

Reading: Isopods

The pill bugs and sowbugs are alike because they both have a hard carapace (shell).

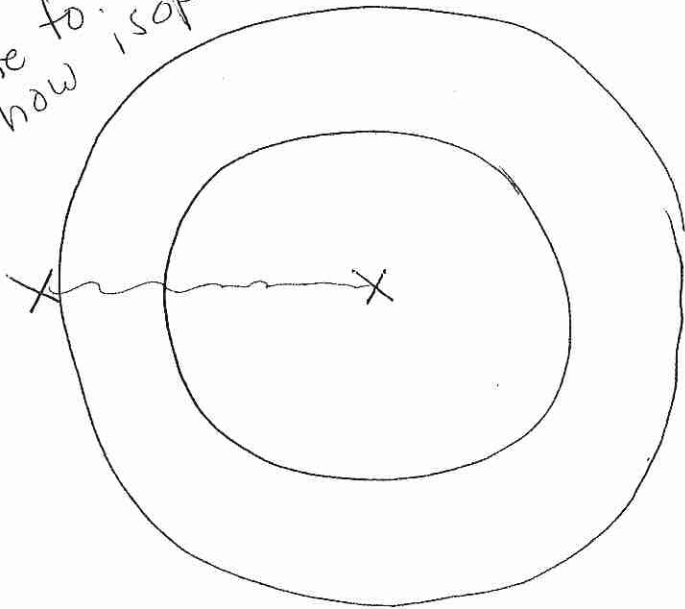
They are different because the pillbug rolls up to protect itself and the sowbug flattens itself. It reminds me of

Date:

FG: How do isopods move?

Data: Observing + collecting outside
Isopod races

Draw
a line to
show how
isopod moved



Reading: Animals All Around Us

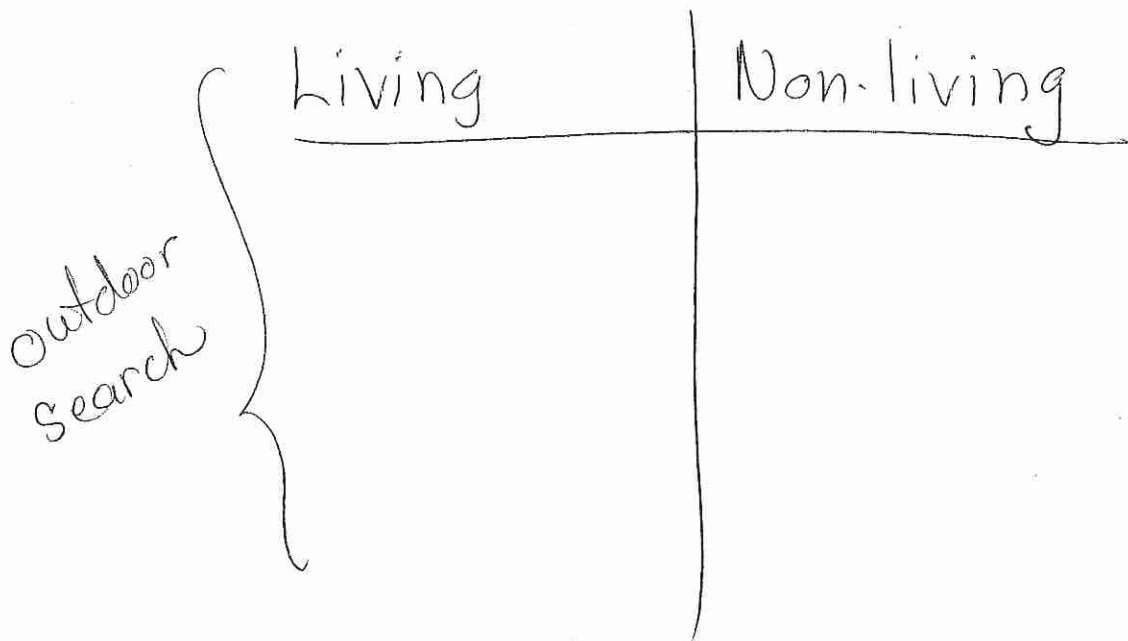
I observed the isopods move
in a straight line. They use
all their legs to go fast.

I wonder why they stop
sometimes in the middle of
the race.

Date:

FG: What do animals need to live?

Data: Create class terrarium



Reading: Living and Non-living

Our class created a terrarium
for our animals to live together,
They needed

