

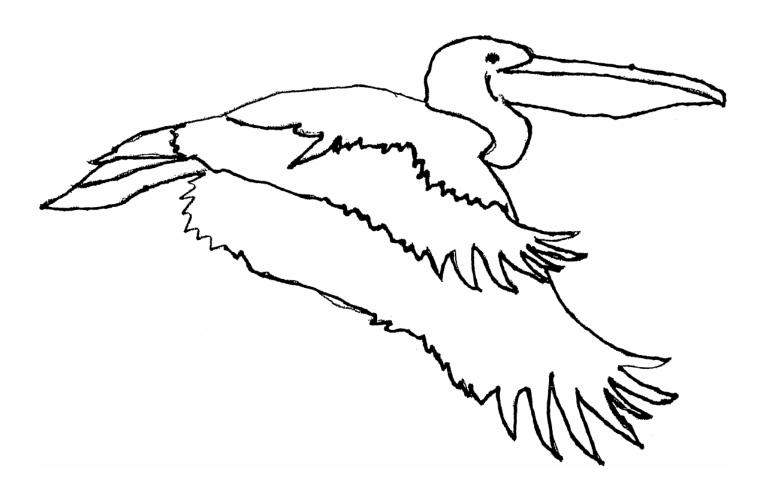
Coastal Alabama and Mobile Bay: Did you know???

- Mobile Bay has both salt water from the Gulf of Mexico and fresh water from rivers. This body of water where fresh and salty water mix is called an *estuary*. Many fish, shrimp, and crabs live here.
- The delta is a beautiful place where rivers enter Mobile Bay and flow through marshes, swamps, and bottomland hardwood forests.
- Alabama has a relatively small coastline consisting of approximately 50 miles of beach, but has the fourth largest river system by volume in the United States, an average of 460,000 gallons per second, or 42 billion gallons per day.
- The first people to live around Mobile Bay were Native Americans. The Spanish visited in the early 1500's and named it *Bay of the Holy Spirit*.
- The famous Battle of Mobile Bay, one of the last major battles of the Civil War, was fought in August of 1864.
- The Mobile Bay estuarine system is located in the center of the northern edge of the Gulf of Mexico and is protected by the long peninsula of Fort Morgan on the east and to the west by Dauphin Island.

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- Mobile Bay is approximately 31 miles long with the widest point being about 24 miles across, and the average depth is only 10 feet. A man-made ship channel, 45 feet deep, has been in operation since the 1800's, creating an international seaport for ocean going vessels.
- The white sandy beach of coastal Alabama has the consistency of fine sugar and is made of quartz derived from the erosion of the southern end of the Appalachian Mountains.

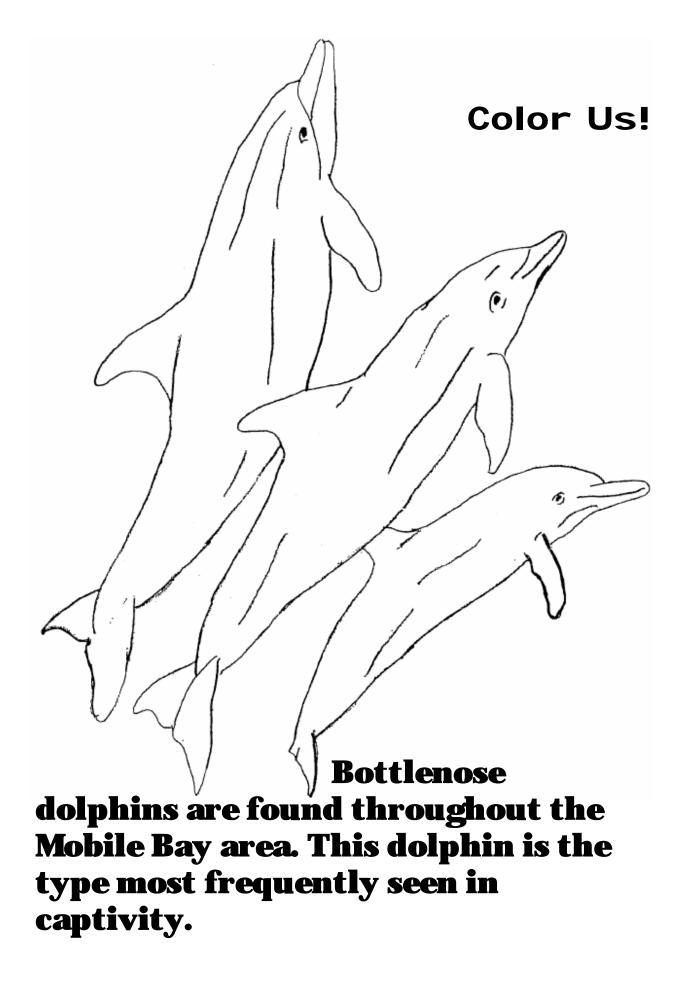
Color Me!



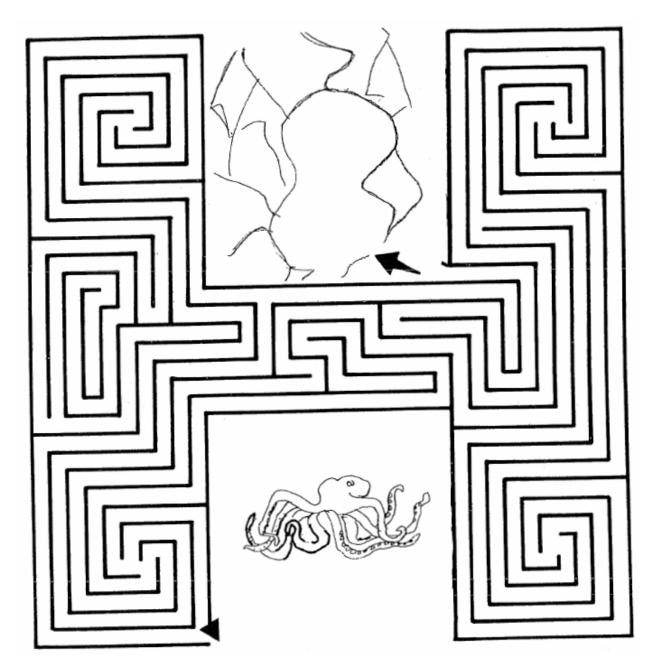
Brown pelicans have special air sacs in their chest area that cushion them as they dive into the water from as high as 12-14 feet.

Connect the dots to find a common shore bird.



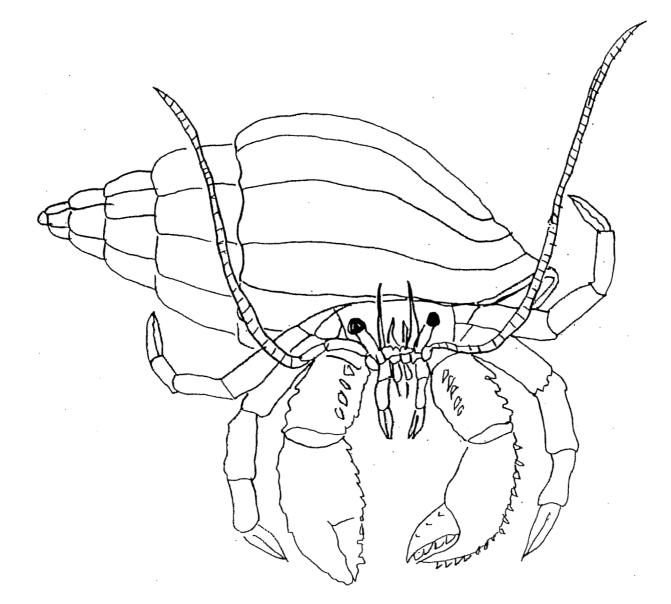


Can you help this Octopus find its cave?



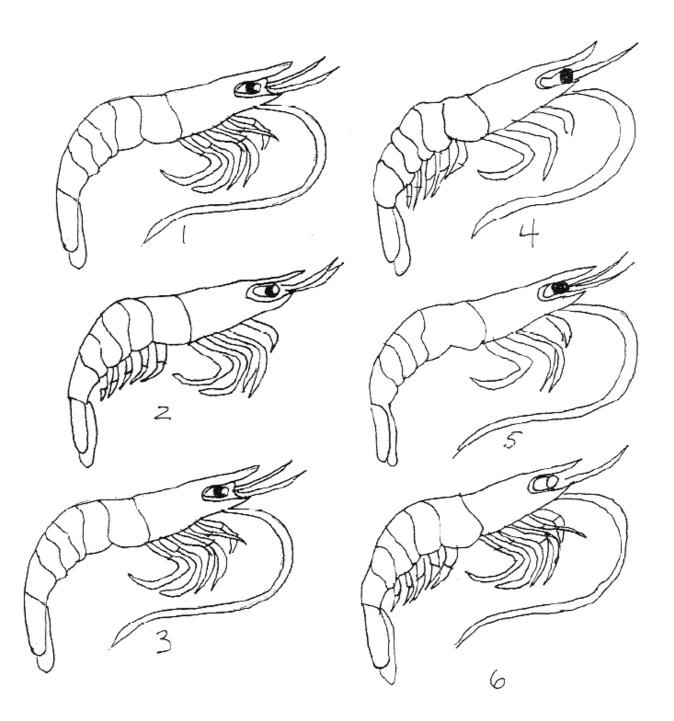
The common Atlantic octopus is found throughout the Gulf of Mexico. They are a highlight for visitors to the Dauphin Island Estuarium.

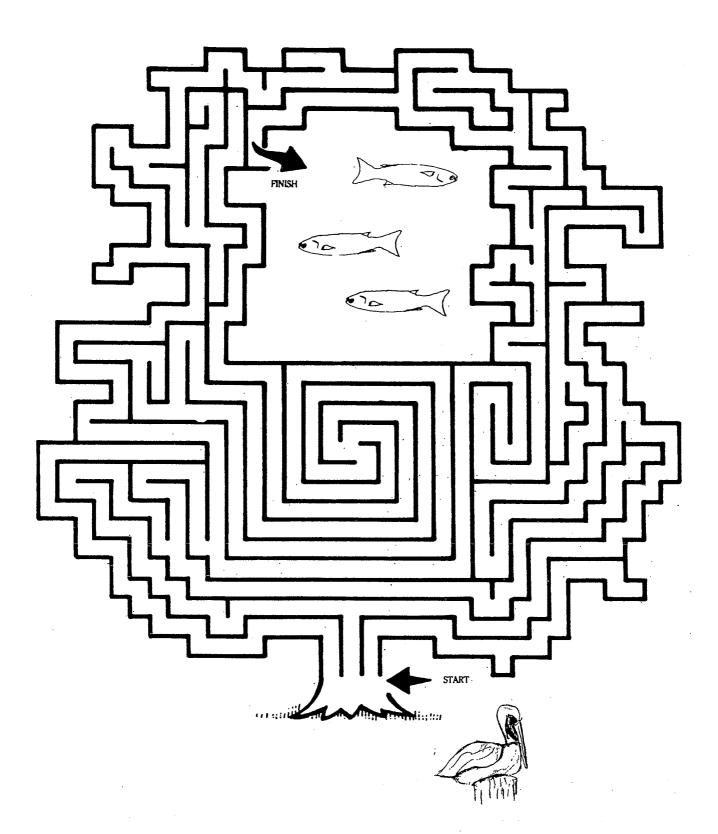
Color Me!



Hermit crabs have no shells of their own, so they use the empty shells of snails as their homes. They move into larger shells as they grow.

WHICH TWO ARE THE SAME?





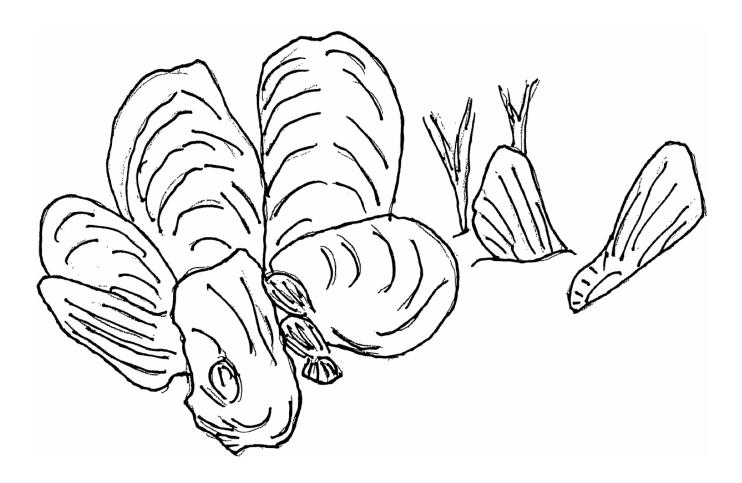
Can you help the pelican find its dinner of fish?

Connect the dots



There are seven different types of sea turtles, all are either endangered or threatened. You might find Loggerheads or Kemp's Ridleys in Mobile Bay.

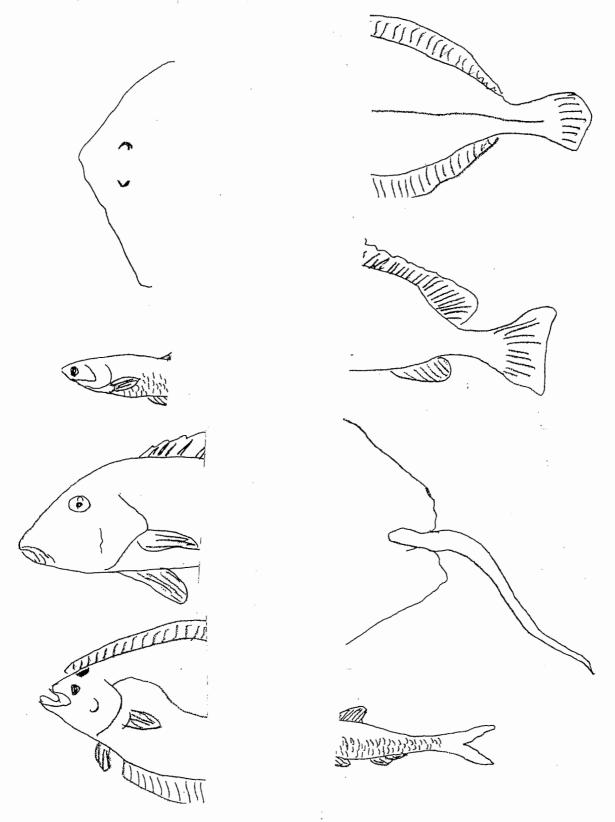


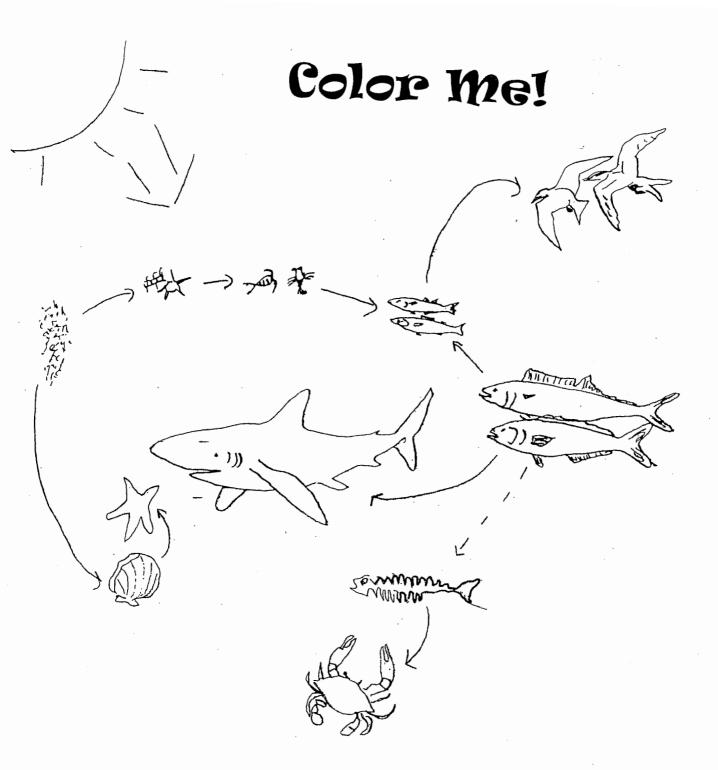


Common eastern oysters can be found on pilings, or attached to each other, forming reefs. Ribbed mussels are found in salt marshes, just under the

match the Fish

Draw a line from half a fish on the left to the other half on the right to see what Stingrays, Anchovies, Red Snappers, and Flounders look like.





Sunlight provides energy for all these living things. Producers (such as tiny plants called phytoplankton) absorb the sun's energy and use nutrients from the environment. Consumers (such as sharks, fish, birds) eat plants or other animals. Recyclers (such as crabs) eat dead things and turn them into nutrients.

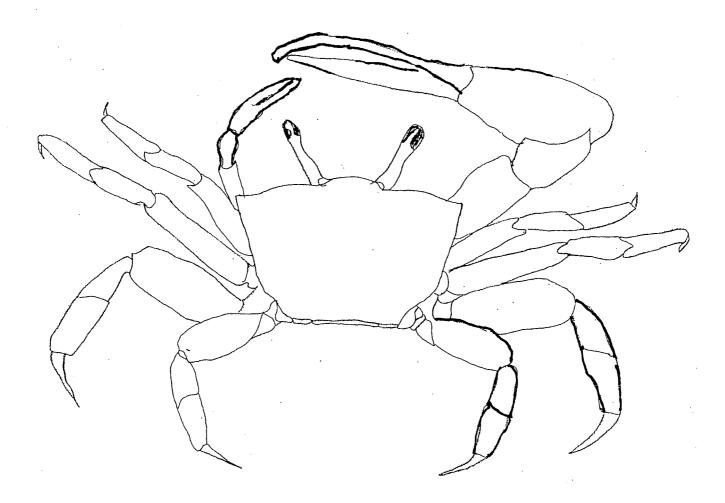
Mobile Bay "Mad Lib"

Directions: Fill in the mad lib list, then copy your mad libs into the blanks in the story below. Once you have filled in all the blanks, read your completed story for a fun look at how animals and habitats depend on each other for survival.

Mad Lib List:

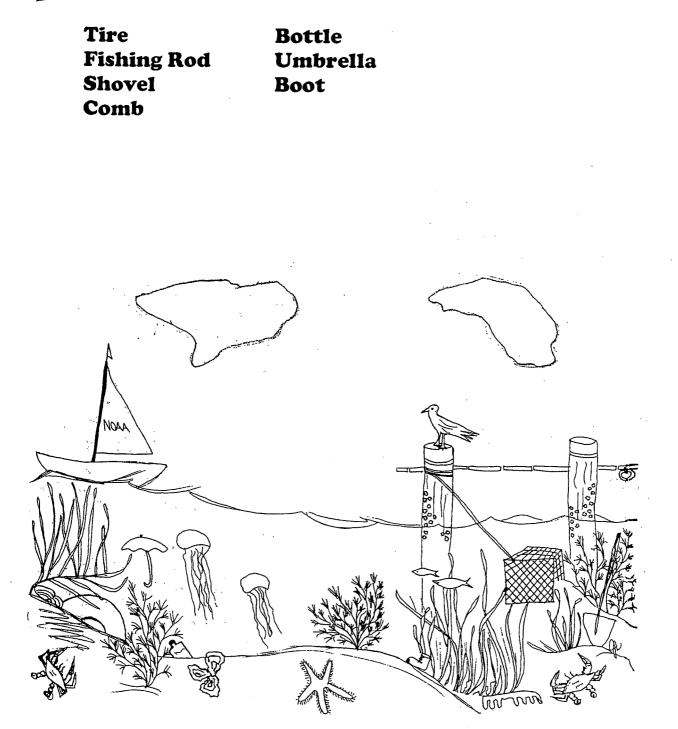
1. Family member _	
2. Somebody's name	·
3. Animal	
4. Color	
5. Animal	
6. Things	
7. Animal	
I was swimming down	Mobile Bay one autumn day with
my	and our friend, who
·	very early in morning. A large
	started to chase us. I think he
	eakfast! We ran quickly to get away from
it and hid in some	that were along the shore
of the Bay. We sure we	ere lucky they were there so we could get
away. We found some	while we where
there that we ate for l	

Color Me!



Fiddler crabs burrow into the mud of salt marshes. Males have one claw larger than the other. The crab eats with the smaller claw, while the larger claw is used to threaten or fight with other males.

Can you find these items in the picture?



Word Search

D	M	R	E	D	S	N	A	P	P	E	R	Y	H
0	A	L	A	B	A	M	A	J	W	C	Т	N	K
L	N	U	N	G	N	V	E	В	Y	0	0	P	M
Р	A	S	P	V	D	X	Ι	H	L	I	D	С	F
H	G	S	E	H	E	R	M	Ι	Т	C	R	A	В
Ι	E	L	L	J	I	0	R	Α	A	0	R	T	A
N	M	W	I	L	R	N	V	C	R	A	В	F	R
F	E	E	C	Y	T	R	Ι	S	T	G	E	Ι	N
0	N	D	A	P	E	A	F	S	J	C	A	S	A
C	T	K	N	S	0	Y	A	H	L	E	Y	H	С
T	C	X	Ν	F	Y	E	S	R	D	A	N	C	L
0	Y	0	A	G	S	A	U	I	Ι	C	N	F	E
P	C	U	F	М	T	L	Т	M	F	S	J	D	K .
U	L	N	Η	W	E	0	Ι	Р	L	R	H	W	N
S	E	A	Т	U	R	T	L	Е	S	E	T	I	M

Words are found down, across, and diagonally.

Management Conservation Dauphin Island Alabama Hermit crab Sea star Sea turtle Dolphin Sand Octopus Shrimp Pelican Oyster Red snapper Catfish Barnacle Tide Crab

It's a Jubilee!

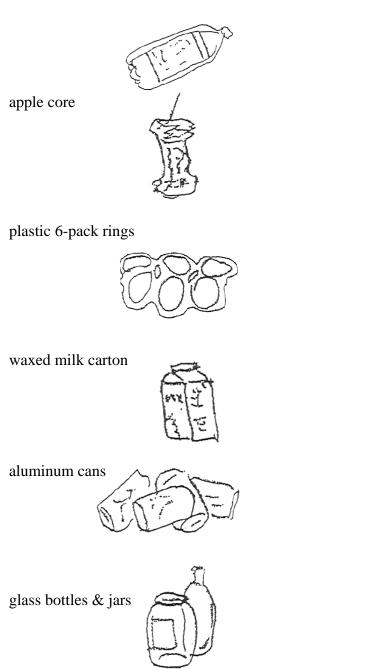


A Jubilee is a regular occurrence along the eastern shore of Mobile Bay. Jubilees occur only in the summer months, usually in the early morning just before sunrise. Under specific conditions, upwelling of oxygen-poor bottom water forces bottom fish and crustaceans ashore. Hundreds of flounder and tubs of crabs can be caught in just a few hours.

Marine Debris

Draw a line from the type of debris (trash) to the time it takes to decompose (go away) in the marine environment.

plastic bottle



200 years

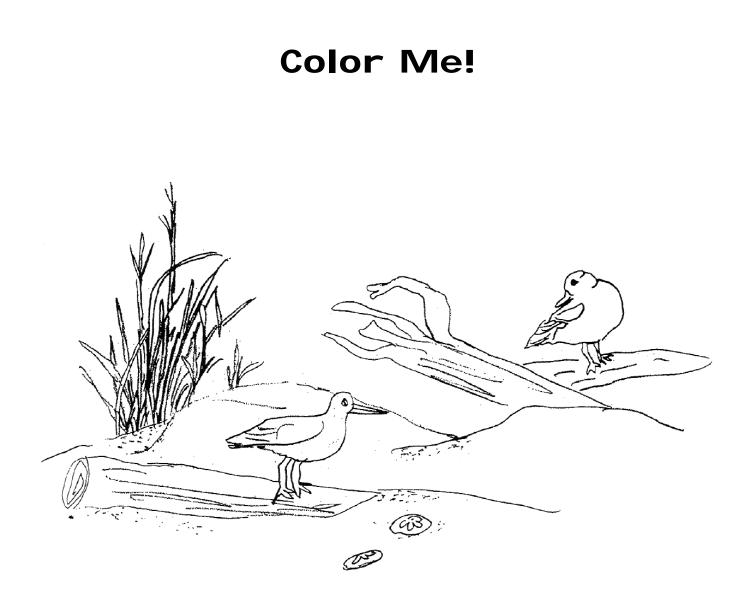
400 years

1 million years

450 years

3 months

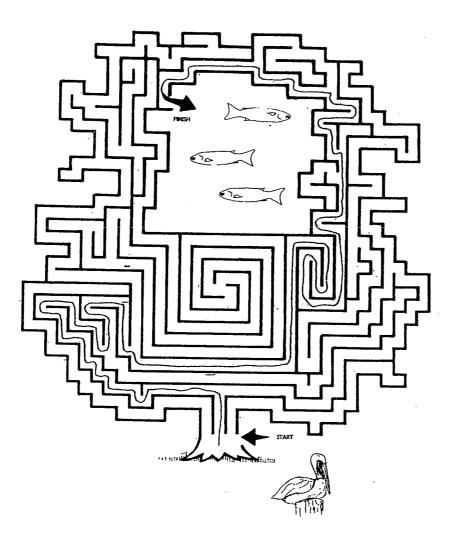
2 months



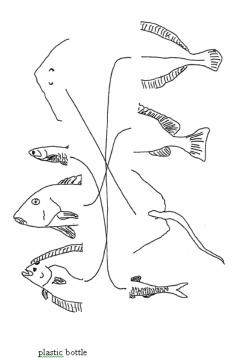
The beaches, rocky shores, marshes, coastal and open oceans are homes to many different plants and animals. Be polite and do not mess up their homes. Take your trash back to your home, just leave footprints in theirs.



A R S H E	F W E
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H H B	J B L
R	A B Y
S N Z	R Y P
F/ NG/ <u>LE D</u>	I S H

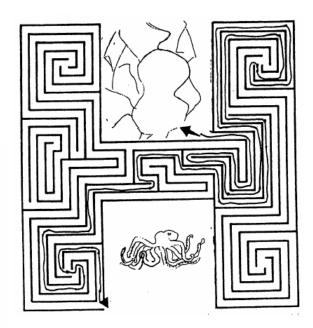


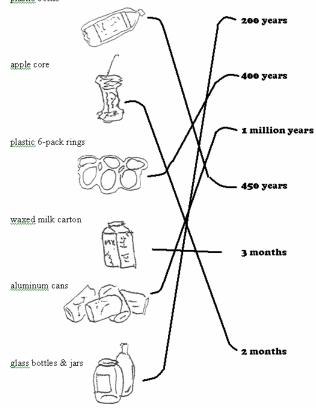
More Answers



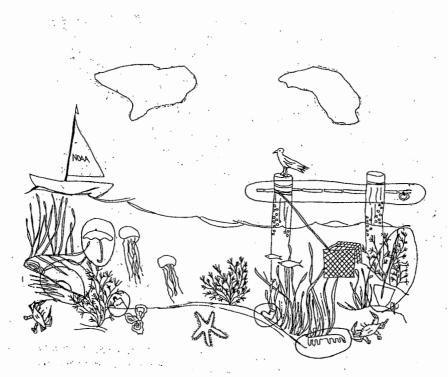
Which two are the same?

1&3





Even More Answers



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