

the adventures of

guam's reef protectors



meet the protectors

Match the Protector
to their correct
name

Answer (page 8)



KIKA CLEARWATER Kika is smart and has a lot of energy.
She loves protecting the ocean.

Orangefin anemonefish - *Amphiprion chrysopterus*

JIMMY Jimmy travels the world looking for sea grass and
jellyfish to eat. He loves meeting other animals.

Haggan (Chamorro), Green sea turtle - *Chelonia mydas*

JUNIOR Junior is the fun-loving and unpredictable
wave that loves to cause a little bit of trouble.

Napu (Chamorro) - Wave

TUN HANON Tun has been around for so
long he knows everything.

Hanon (Chamorro), Water - H2O

RAMON Ramon loves to stay put.
he loves to watch Junior.

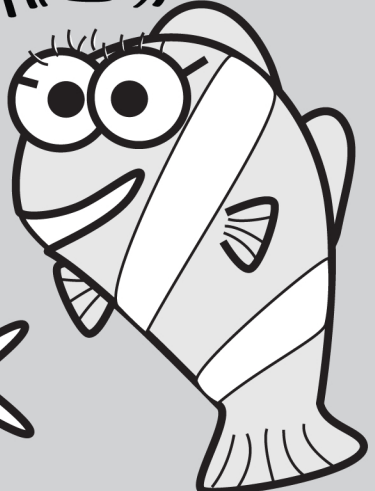
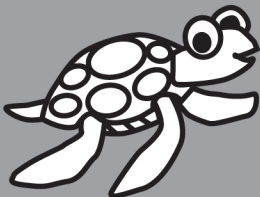
**Kiluus (Chamorro), Blue sea star
*Linckia laevigata***

ANNA Anna is strong and
very reliable.

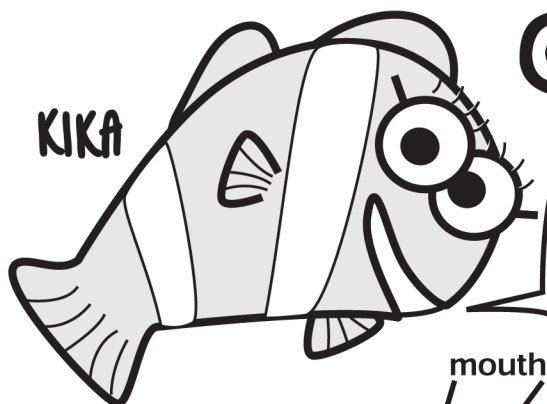
Coral - *Acropora*

LAO Lao loves clean
water.

**Panglao (Chamorro)
Fiddler Crab
*Uca vocans***



what is a coral?



KIKA

Coral may look like a plant but it is tiny animals!

Each coral animal is called a **polyp**. These animals grow and build a hard skeleton, almost like your bones.

Corals that grow together are called a **colony**. When more than one colony grows together it creates a **reef**.

tentacles

mouth

All corals have

- mouth
- stomach
- tentacles

Some corals have

- hard skeleton

coral polyp

stomach

Did you know soft corals are squishy!

Coral reefs help Guam in many ways

- Reefs protect us from waves
- Reefs give our fish a safe place to live
- Reefs are one reason people come to visit Guam. They bring money to our island.

the story of coral and zooxanthellae

Once upon a time, there was a tiny plant named algae. This algae had a cooler name. People called him zooxanthellae. We'll just call him zoo.

Zoo was looking for a place to live when he saw a lonely, hungry-looking coral named Anna. Zoo, being a kind plant, offered to live in Anna's skin and give her his extra food. All he wanted was Anna to protect him from fish that might find him delicious.

Anna agreed this was a good friendship and from that day on, you will always see colorful Zoo living in Anna's skin and making her extra food from the sun.



be thinking

Did you know

Every person on Guam affects the ocean every day. Almost every action you take will affect the ocean and the animals in the ocean.

This also means that every person on Guam needs to do their part to care for our ocean every day.

**no fires means
trees and grass
keep dirt on
the hills, not in
the water.**

**Offroading on
trails keeps grass
and dirt in its
place!**



**I love clean
water and
clean
beaches!**



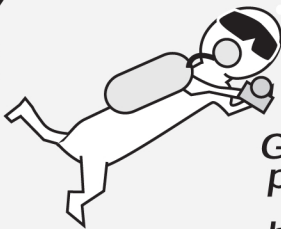
**NO TRASH MEANS
I CAN SWIM
ANYWHERE!**



**Use a buoy instead
of anchoring and
hurting coral**

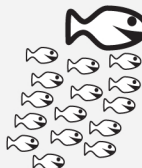


**Divers and swimmers
should take only photos
and leave only bubbles.**



**Guam's 5 Marine
protected areas
help little fish
become big fish**

**I love clean
water too! Clean
water means I
can eat!**



**I GREW UP
HERE!**



not threatening

fire
creates
mud

Offroading can dig up
grass and create
lots of mud. This
creates more mud
that can kill corals.

Driving on
the beach
makes the
sand hard.
Turtles and
crabs
have a
hard time

laying eggs
or living on
hard sand

Trash at the
beach ends
up in the
water

mud kills corals

Dumping any oil or
chemicals in the
water can make
fish, people and
animals sick.

Swimmers
and divers
who
are
not
careful
can
break
coral

Trash
kills fish
and
turtles

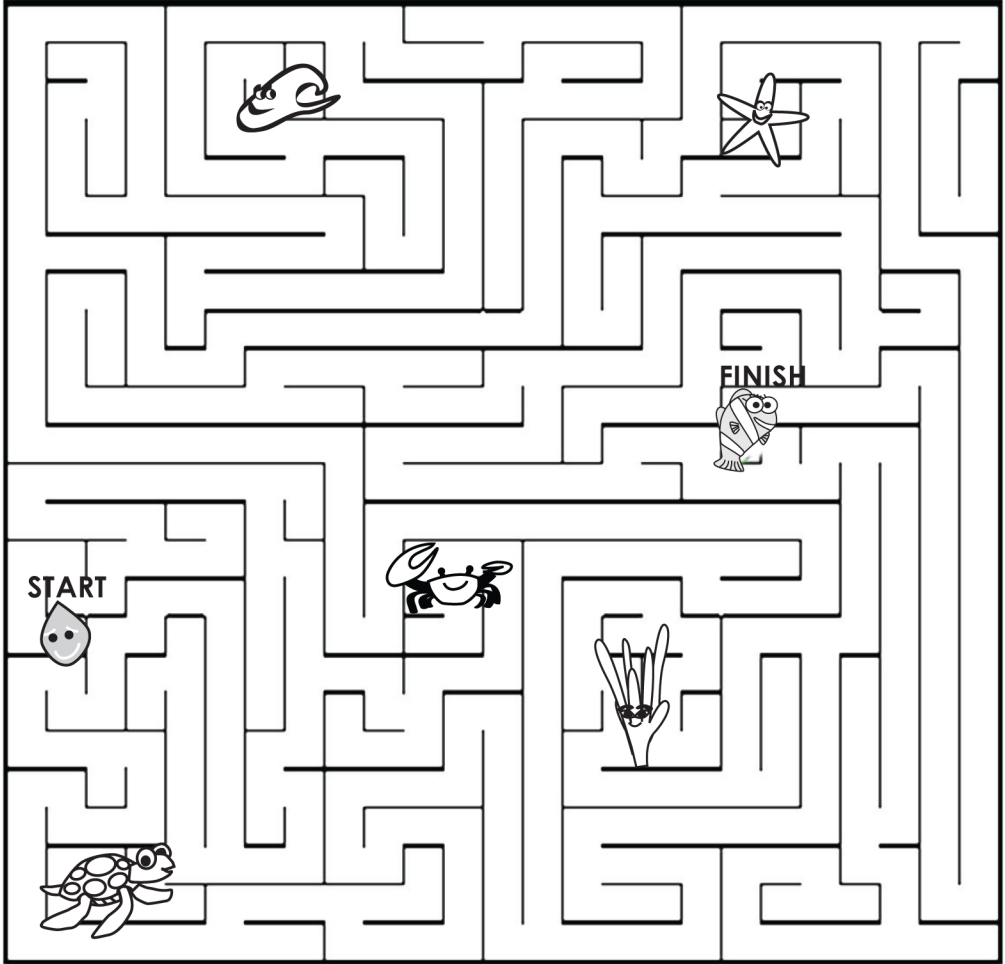
OUCH!!

taking too many fish
leaves no fish to
make more fish

DIRECTIONS

Connect Kika with water drop Tun Tasi. Remember, Tasi has many stops before he makes it all the way to the ocean.

We are all connected



Remember!

Everything you do on Guam affects our land, water and the ocean.

Protect our ocean by not dumping trash anywhere!

you

affect

the

ocean



Draw a picture of you and your family here

coralfind

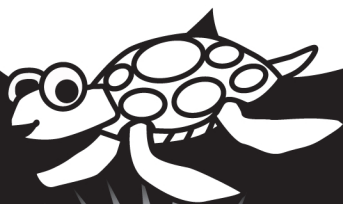
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A Z U C N M C Z X D E F E E R N N O G I
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ANNA THE ACROPORA
CROWN OF THORNS
KIKA CLEARWATER
MARINE PROTECTED AREA
NAPU
CORAL
FISH
GUAM
GUAM
JIMMY
JUNIOR
PANGLAO
POLLUTION

POLYP
PROTECTOR
RAMON
RECYCLE
REDUCE
REEF
RESPECT
REUSE
SWIMMING
TUN TASI
ZOOXANTHELLAE



Did you know

Guam has five areas where fish and corals are protected. These marine protected areas help small fish and corals grow.

check your brain

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answers and
more questions

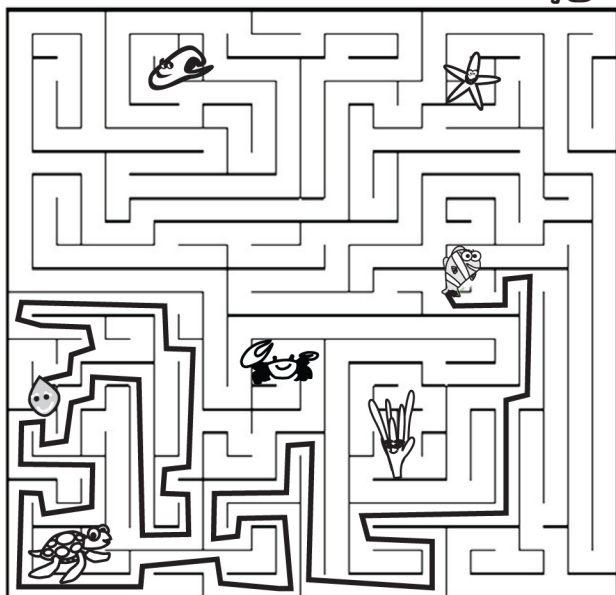
answers pg 6

1 - ARE CORALS PLANTS OR
ANIMALS?

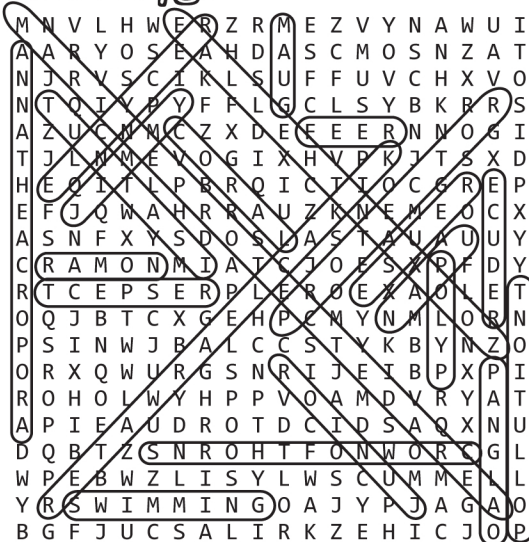
2 - NAME ONE THING THAT IS BAD
FOR THE OCEAN.

3 - WHY ARE FIRES BAD FOR
CORALS AND CORAL REEFS?

4 - HOW MANY MARINE
PROTECTED AREAS ARE ON
GUAM?



answers pg 7



answers pg 2

