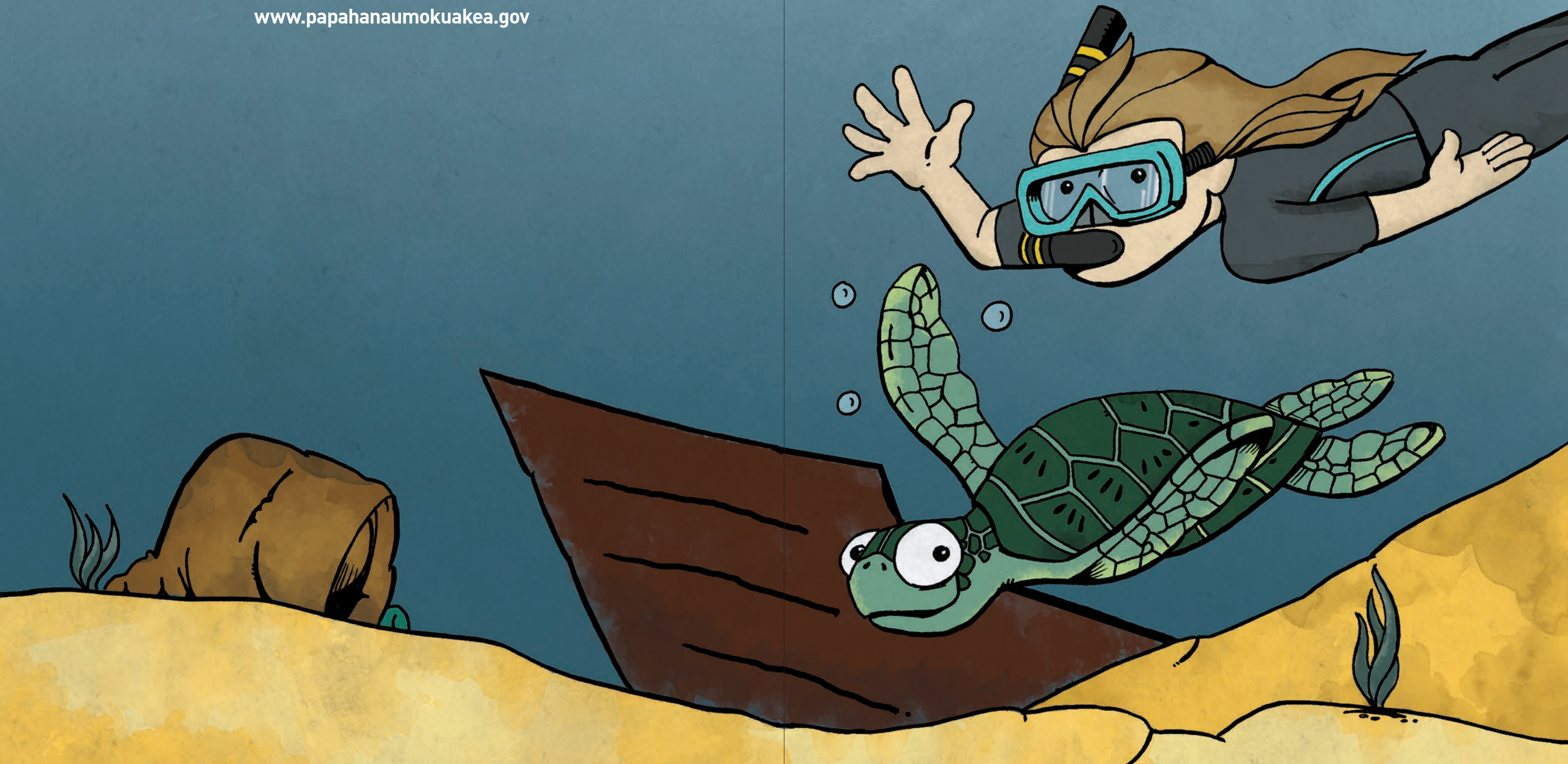


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PAPAĀNAUMOKUĀKEA
Marine National Monument

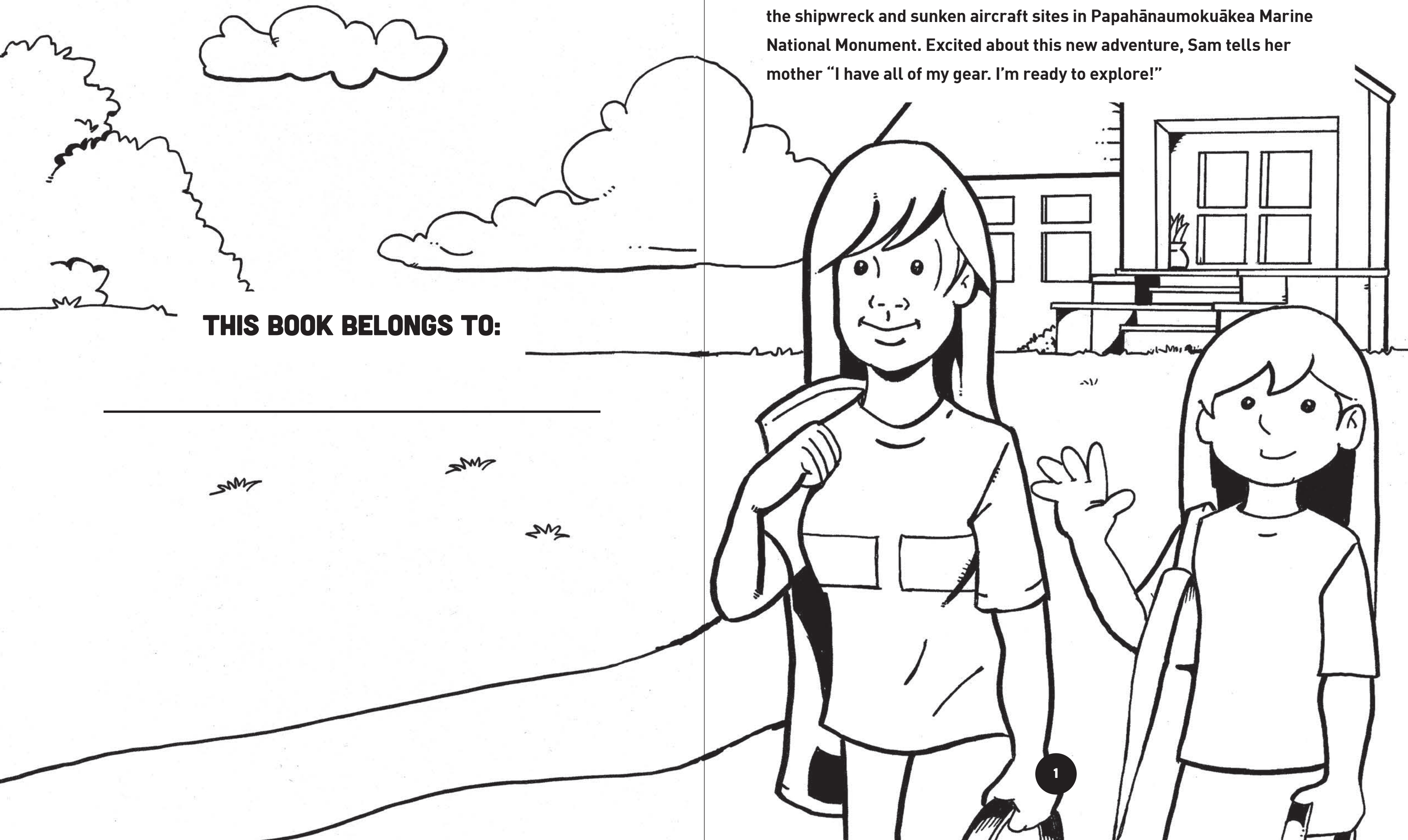
www.papahanaumokuakea.gov

UNDERWATER EXPLORERS IN PAPAĀNAUMOKUĀKEA

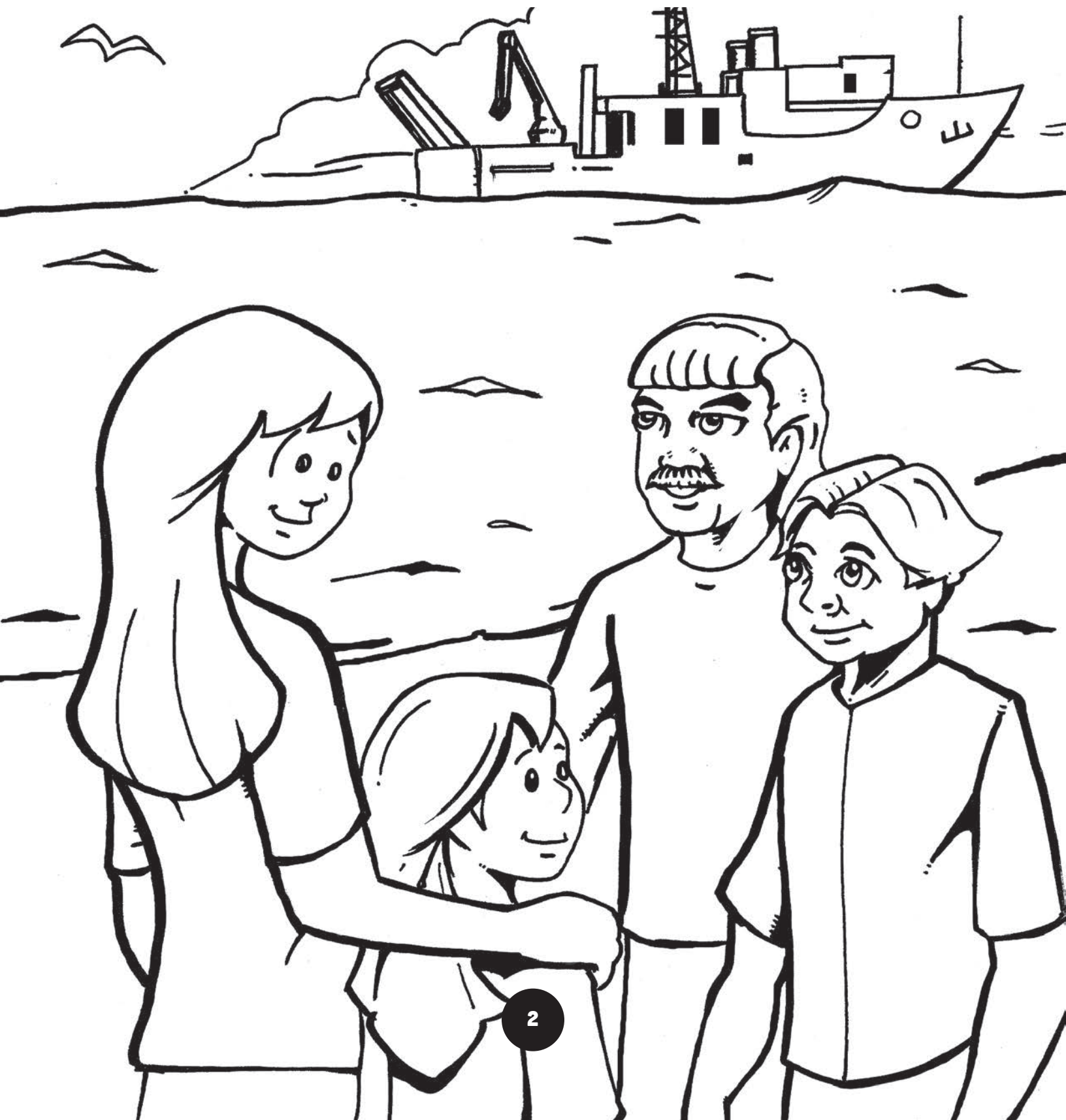


Meet Sam and her mom. They are getting ready to go on a trip to explore the shipwreck and sunken aircraft sites in Papahānaumokuākea Marine National Monument. Excited about this new adventure, Sam tells her mother "I have all of my gear. I'm ready to explore!"

THIS BOOK BELONGS TO:



Sam and her mother meet up with the other members of their expedition team and set sail for the Northwestern Hawaiian Islands. Along the way, Sam watches the seabirds scoop up small fish in the waves for food. Seabirds are a welcome sign for navigators and sailors. They are an indication that land is close.



ACTIVITY: COLOR SAM AND THE SEABIRDS!



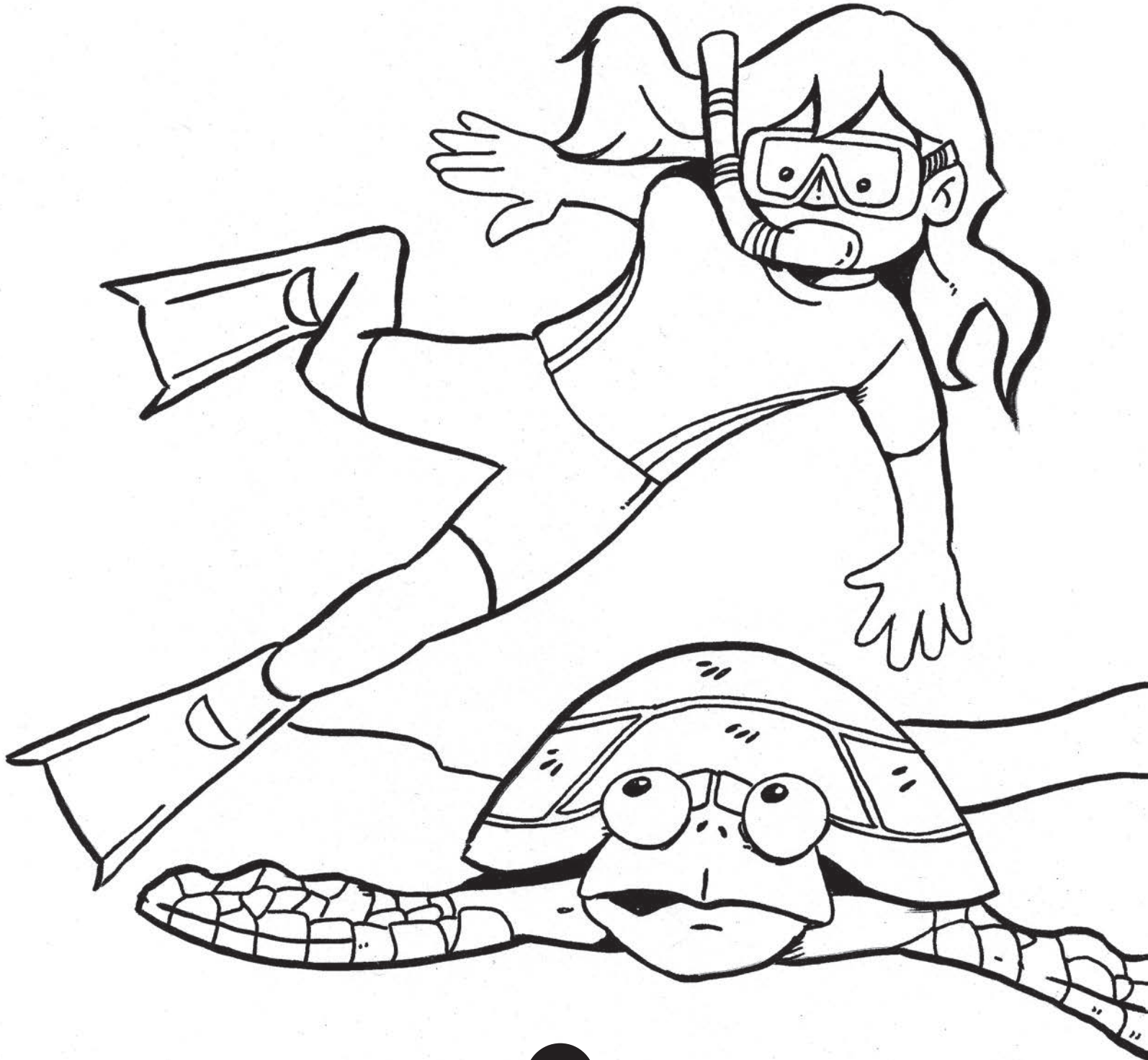
About three days after departing from Honolulu, the team arrives at French Frigate Shoals within Papahānaumokuākea Marine National Monument. Sam and the team of maritime archaeologists check their gear and the weather conditions and begin to plan their dive.



FIND YOUR WAY TO PAPAHAŪNAUMOKUĀKEA!



While the team is underwater documenting a newly discovered shipwreck, Sam snorkels above them keeping a close eye on the archaeologists. She meets a curious old honu named Kimo who offers to show Sam around his home.



HELP SAM AND KIMO FILL IN THE BLANKS!

- _____ islands and atolls make up Papahānaumokuākea Marine National Monument (The Northwestern Hawaiian Islands).
- In order to breathe underwater, maritime archaeologists and other diving scientists wear _____ on their backs.
- Some tools that maritime archaeologists use to measure and document shipwreck sites on the seafloor are: _____, _____.
- Something heavy that sailors might throw overboard when a ship is wrecking on the reef is a _____.
- In the 1800s, ships in the Northwestern Hawaiian Islands were traveling in search of _____ to use their oil.
- An animal with a shell on its back that lives in the Northwestern Hawaiian Islands who can grow to be very old is a _____.
- So that they know what a shipwreck looks like on the seafloor, maritime archaeologists will draw a _____ of what they see.
- An artifact that might have the name of the ship written on it is the _____.
- In order to use the wind for propulsion, ships use _____.
- The captain would record daily activities, including weather in a _____ (hint: kind of like a diary for sailors)

- Answers:
1. 10
 2. scuba tanks
 3. measuring tapes, cameras
 4. anchor
 5. whales
 6. turtle
 7. map
 8. ship's bell
 9. sails
 10. ship's log

Kimo wants to learn more about what the archaeologists are doing with the scuba tanks on their backs. They look like underwater detectives solving a mystery. Sam explains that they are solving clues about the identity of the shipwreck site.



SAM NEEDS YOUR HELP! FIND THE WORDS IN THIS WORD SEARCH!

Archaeology	Starboard	Schooner	Fins	Stern
Scuba	Whaleship	Anchor	Mask	Explore
Artifact	Trypot	Bell	Snorkel	Discover
Port	Canoe	Measuring Tape	Bow	Document
				Shipwreck

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

To figure out the clues, the team collects information at the shipwreck site like measurements of artifacts and photographs and videos. The team realizes that they have just discovered a whaling ship from the early 1800s! Kimo

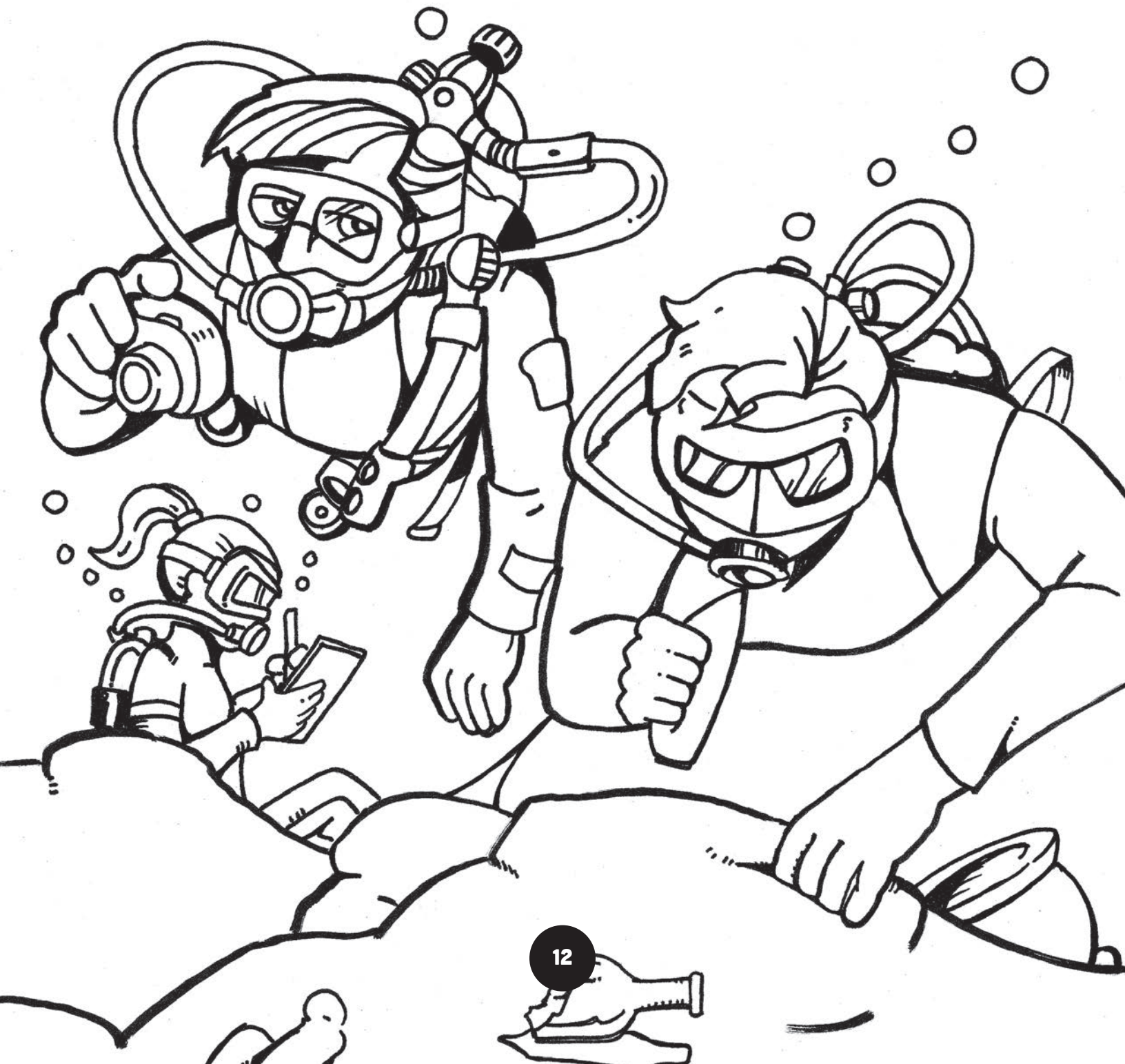
○ wants to share the artifacts he collects in his home with Sam.



SEARCH KIMO'S HOME FOR ARTIFACTS FROM OLD SHIPWRECKS.



While the team of archaeologists draws maps of what they see underwater, Sam tells Kimo that the artifacts aren't for collecting at home, they are for solving underwater mysteries! If you find something, you should share it with someone who can help you understand where it came from. Sam gives Kimo a special camera to take photographs of the things he finds. Sam's mom gives Kimo a pencil and underwater paper so that he can sketch the shipwrecks he finds underwater.



Sam, her mom and the team are done with their work and get ready to sail home to Oahu. Happy to have made a new friend and to have found a new shipwreck, Sam waves goodbye to Kimo. Kimo waves goodbye and tells Sam, "Aloha Oe! Come back soon! There is much more to discover and learn in Papahānaumokuākea!"

