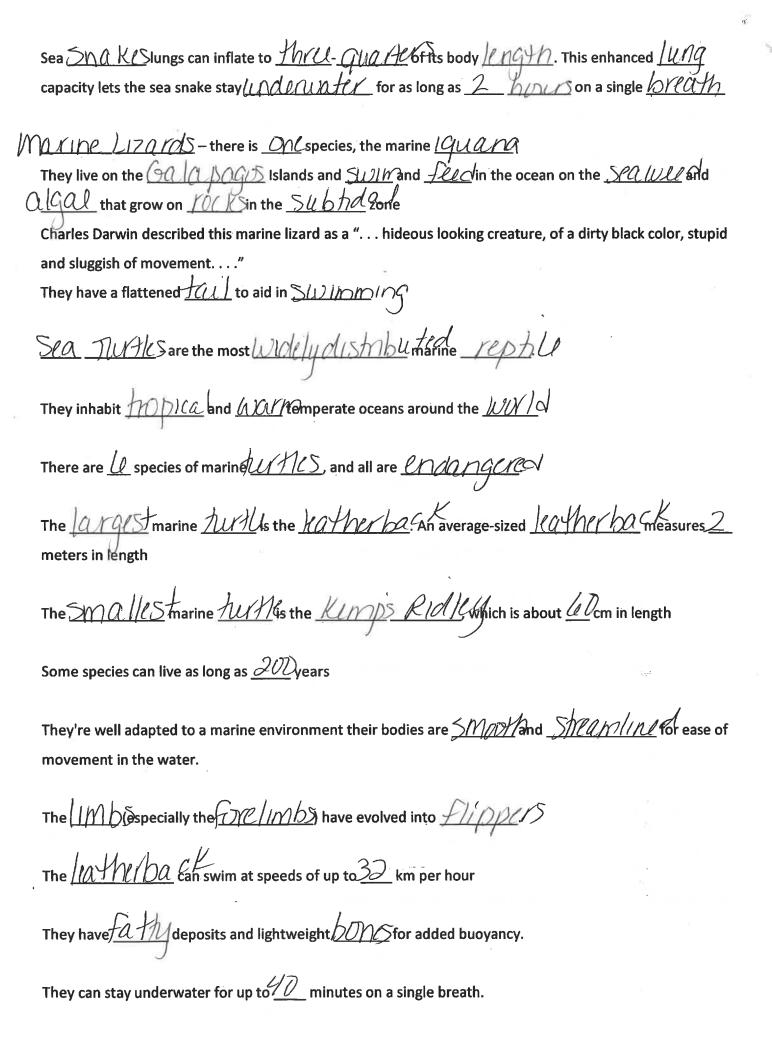
Chapter 13 Manne Rephles

All Marine Rephishave a My Scalyskin that protects against Water 1055
All rephils live in warm or temperate climates because, as ecto thermic (cold-
blooded) animals
Marine Yest Share characteristics that originally evolved to suit Ife on land
There are four main groups of reptiles alive today:
1. sea hurtles
2. sea <u>Snakus</u>
3. marine <u>1120rds</u>
4. Saltwater crorodules
Carplin
Adaptations of Rephiles
Amniotic egg – (first seen in the Yestiles) contains a large UOIK to nourish the developing
embrio and is enclosed in a leathery egg case to prevent Water loss and aning out
Marine reptiles need to get rid of excess 301 and to conserve fresh water, they have Solt
normally positioned above the animal's we secrete great quantities of Salty Hars;
this enables them to live without access to <u>Freshwater</u>
Altwater Cocodiles—are large, predatory marine reptiles found in Africa, Asia,
Australia, and the AWCLICOS.
They hunt by remaining just below the water's Surface with only their ups and nostrials
above the water, 1201 higo catch a meal by SUGSYISC
Meclican saltwater <u>crocodilatives only in the Florida Kcus</u> can grow up to <u>5</u> meters in length
American <u>Crocodile</u> are endangered. There are only about <u>500</u> to <u>1200</u> individuals left.
TO CONTRACTOR AND CON
Snake there are about 10 species of sea Snakes. All of them are Venomous and grow
L to 2 meters in length
Found in the <u>Mobical</u> Atlantic, Pacific, and Indian <u>Ollan</u>
pecial adaptations enable them to survive in the ocean. The <u>Flatter</u> body (<u>Side-b-Side</u>) and
addle-like $\frac{1}{2}$ help the sea $\frac{5nakes}{5}$ SWIMmore efficiently
alt <u>Qlandin</u> the <u>MDW He</u> nables the sea <u>Snall</u> to get rid of excess <u>Salk</u>
hey have a special <u>Flap</u> of <u>Fissue</u> that covers the <u>NOST IA</u> S
l .



They have <u>NO teeth</u> , but have strong <u>Du I</u> SUsed for <u>breakth</u> open the <u>Shelb</u> of <u>Crab Clam</u> and other <u>Shell</u> canimals, or for eating underwater <u>Vegetation</u>
Sea human length Sometimes die when they accidentally ingest floating a bags which resemble their prey
commonly referred to as <u>Sea birds</u>
There are nearly 9000 species of $b100$
Not all birds fly
All birdshave feathers which are attached to the SKIN
2 main types of <u>feathers</u>
Down Flathe Sare the small, <u>Fluffy Feather</u> closest to the <u>Skin</u> . They <u>trap</u> warm air and hold in <u>body heat</u>
Contour feathers are the larger feathers that cover the Wings and the body some of these are used for flight
Some aquatic DIY a Shave pouder feathers which repel water to protect the underlying down feathers
Some blass have a special gland near their tal that produces when they game or pren themselves.
Most Ord Shave Lightwugh hollow bones

Diving marine bird Ssuch as the Augun, have denser boncs
All marine birds have to return to land to breed All birds lay eggs which are locased in a hard Calaiw rich shell
They \underline{NLST} in a variety of habitats: \underline{IN} tree branches, \underline{SN} cliff ledges along the coast, \underline{SN} patches of vegetation, \underline{SN} pebbles and sand \underline{SN} beach, or \underline{SN} a few stones out \underline{SN} the ice
Adaptations of Marine Birds
Sca birds species that spend much of their time in and on the water have Wholed Feet for padding and Swimming
Scabirds have Salfglands; they are special MSal glands that secrete a Salfysolution from the nostrials
Common Shorebirds
You can often tell what a bird <u>lats</u> by looking at its <u>beak</u> or <u>bill</u> .
Sand Diper has a narrow <u>pointed</u> bill for poking in the sand for small invertebrates, like <u>worms</u> and <u>insection</u> the <u>interhidal</u> zone
Oustercatcher uses its 10mg, red Knifelike beat to catch and eat various types of mollusks
Snowy Egres has a long flexible <u>NCCK</u> and the <u>Nothed bill</u> that it uses to quickly <u>grab</u> small fish that dart about in the shallow water.
Also, long Stilt-like legs give egges the advantage of high in being able to spot fish

Sea gull is probably the bird most identified with the ocean.
the Hds. Sea Gull Salso eat <u>Crab</u> Son the beach and <u>Gubage</u> at <u>landfills</u>
Diving Shorebirds
Cormoran is a common shorebird that dives from the Sky for its food. When it spots a fish, it folds its wings, makes in its feet, and dives into the water, where it catches the fish with its hooked back. Some species can also Swim under water fish
bmmon tuncan hove over the Water before it dill Sto catch a small fish
The pelican live along the Florida Gulf, and California coasts. They have large throat pouch like a Net to Scoop up fish. Water is Squeczecout of the pouch and the fish are then swallowed headfirst
Black Skimmer flies 100 over the water, with the His of its lower Jaw just beneath the surface. It eventually makes contact with a fish, which it Swallow while still in flight.
Spresswoops down and dives for its meal. It has strong curved <u>Claw</u> Scalled <u>Falw</u> Swhich it uses to <u>Grab</u> and <u>hob</u> onto a fish.
The long, powerful WingSof the hawk provide the IIF Ingpower needed to carry the Wind and its
OSPREY which feeds only on SSD lives along the Atlantic, Pacific, and Gulf coasts.
"FISH Union

Diving Pclagic (open aran) Birds
Some of these birds <u>Migrate Yhlusard</u> of kilometers each <u>Yew</u> as they follow schools of fish or drifting plankton.
The most oceanic of all the seabirds is the <u>Lwandering</u> of batoss
The <u>Charloss</u> is the largest of all seabirds with a wingspan of about <u>3</u> meters.
It is adept at <u>Gliding</u> effortlessly on <u>W</u> currents <u>IWW</u> the ocean.
It may spend 3 or 4 warsat sea before returning to its bifth island to brued
The bird rarely stops flying or aliding and may actually CIVI the entire globe
Penguin re the most aquation all seabirds.
There are <u>15</u> species of penguins
They vary in height from about One - Whird of a meter to more than 1 meter tall
They have no flight feather but are excellent Swimmers and divers
Their smaller Wingere used as Wipper that can propel the bird through the water at speeds of up to 20 km per hour
Pergunsatch a varied diet of fish, Xrill, Squid and Shell fish
Some Dengwh Seo to sea for <u>a</u> years before returning to land or ice to nest
They survive the <u>COLD</u> air and waters of the <u>ANAC</u> because they have a thick layer of <u>Fat</u> under their <u>SKID</u> and <u>ALDSIM</u> packed soft <u>ADDIM</u> <u>Peather</u> insulation