

1. Tuna (in Oma) Feature

- Meat of Tuna is classified into Pink fatty tuna, medium pink fatty tuna, red flesh and butsu.
- Fatty tuna is mainly taken from the abdominal muscles and meat quality is ranked in the order of shimo, naka, and kami.
- The dark flesh of a fish is red flesh and it is the most delicious part.

2. Sea urchin special Section

- About 900 kind of Sea urchin lives in the world.
- 140 of which is known in the Sea near Japan.
- For example Bahun, purple, Ezo Bahun and North purple.
- Edible sea urchin is caught in Japan.
- Now, the part we are eating is the gchad.

☆ Bits of knowledge (Trivia)
Sea urchin contain a lot of vitamin A.
So, it is good effective in skin health.

Summary

- We found that Aomori's various marine creatures are influenced by three kinds of currents, and water temperature suitable for each ecosystem is kept stable.

Also, Judging from graph, the water temperature continues rising year by year.

Consideration

- ☆ The rise of water temperature year by year is related to global warming.
- ☆ If water temperature keeps going up, each marine creature may not be able to live in their ocean.

Sea comparison Of Aomori & South island

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① Purpose

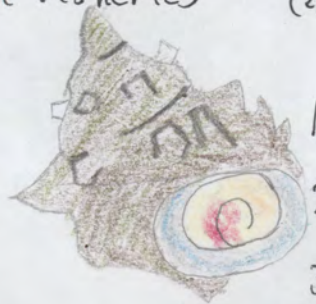
- We look into how the environment supports the Aomori fishing.
- We will take measure in the future that is based on information we get such as water temperature.

② Hypothesis

- Each marine creatures live in the Ocean in a suitable place to live by water temperature and convection's difference.
- If water temperature kept going up, some marine creatures will become extinct. → Global warming's influence.

③ Procedure

- Gather information by the Internet.
- We ask specialist in fisheries experiment station.



④ Result

(1) Water temperature

<u>Pacific Ocean</u>	
<u>Hachinohe</u> average year 11°C ~ 15°C this year 13°C ~ 16°C	Miyazaki about 27°C (Hokkaido) 10°C ~ 14°C
<u>Tsugaru Straits</u>	
<u>Sai</u> average year 13°C ~ 15°C this year 14°C ~ 15°C	Okinawa about 28°C
<u>The Japan Sea</u>	
<u>Ajigasawa</u> average year 15°C ~ 18°C this year 16°C ~ 18°C	Yamaguchi about 27°C

(2) Global warming change for the worse

1. Death of fish
2. Change in habitat
3. Rise the sea water surface unusual weather

(3) Comparison with marine products

① The Japan Sea — Turban shell (Fukaura)

- Turban shell inhabits the shallow reefs.
- People can catch the most turban shells in Yamaguchi.
- ★ They can inhabit only in the Japan sea because this sea has the highest temperature of all sea water in Aomori prefecture and is influenced by Tsushima current.

② Tsugaru Straits — Tuna (ōma)

- They live in the pacific ocean. They grow widely in tropical region and the temperate zone.
- People can catch the most tuna in Nagasaki. Aomori Prefecture is second in Japan.
- ★ We consider that catching Tuna in Aomori Prefecture is related to the water temperature at the meeting of the tsushima current and the kurie current.

③ Pacific Ocean — Sea urchin (Hachinohe)

- They live in under sea. Depth of water is 9340 meters.
- People can catch the most sea urchin in Hokkaido. Aomori Prefecture is second in Japan.
- ★ This sea has lowest temperature of all sea water in Aomori Prefecture and is greatly influenced by Oya current.

