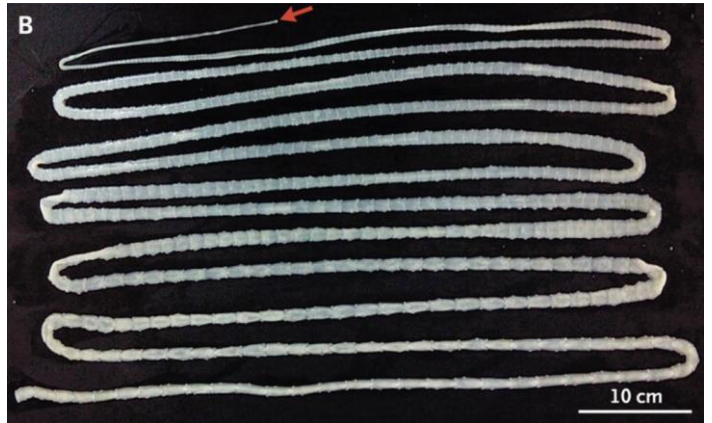


## What are Tapeworms?

Tapeworms are a kind of **\*parasites**(寄生物) (More about parasites later)

They are flat, segmented worms which **live inside the small intestine** of humans and feed on the digested food to obtain nutrition.

Tapeworms are **made up of segments**, and they get longer by growing new segments. Each segment can **reproduce by making thousands of eggs**. Since tapeworms can have more than 3,000 segments, that's a lot of opportunity to spread.



## Causes of Tapeworm infection

**Drinking contaminated water** and **eating undercooked meat from infected animals** are the main causes of tapeworm infection in human.

Once inside the body, the tapeworm head **attaches to the inner wall of the intestines**. The tapeworm **feeds off the food that the host is digesting**. It uses this nutrition to grow.

In human beings, tapeworm infection is most commonly caused by the:

- **pork** tapeworm (*Taenia solium*)
- **beef** tapeworm (*Taenia saginata*)
- **dwarf** (侏儒) tapeworm (*Hymenolepis nana*)

- fish tapeworm from **raw freshwater fish** (*Diphyllobothrium latum*)

## Symptoms of having a tapeworm

Sometimes tapeworms cause symptoms such as:

- Nausea
- Weakness
- Diarrhea
- Abdominal pain
- Hunger or loss of appetite
- Fatigue
- Weight loss
- Vitamin and mineral deficiencies

## How to reduce the risk of tapeworms?

- Avoid **raw fish** and **meat**
- **Wash your hands** before and after using the toilet
- **Thoroughly cook meat** to temperatures of at least **145 degrees Fahrenheit** for **whole cuts of meat** and to at least **160 degree Fahrenheit** for **ground meat and poultry**. Then, **allow the meat to rest** for three minutes before carving or consuming; the heat continues killing pathogens during that time.
- **Freezing meat** to -4 degrees F for **at least 24 hours** also kills tapeworm eggs.
- When traveling in undeveloped countries, **cook fruits and vegetables** with **boiled or chemically-treated water** before eating.
- Wash hands with **soap** and **hot water** before preparing or eating foods.

Although **most** tapeworm infections are harmless, it's always a good idea to **get checked out** by a doctor if you have symptoms.

More about parasites

A parasite is an organism that lives on or in a host and gets its food from or at the expense of its host. Parasites **can cause disease in humans**. Some parasitic diseases are easily treated and some are not.

Each segment has a **complete male and female reproductive system**. An anterior holdfast organ (the scolex) is followed by a germinative portion ("neck") and segments at successively later stages of development. Larvae encyst in various tissues of the intermediate host; larval cysts contain one or many scoleces of future adult worms.

**Other examples of parasites:**



Lice 虱子



Bedbugs 臭蟲



Scabies 疥

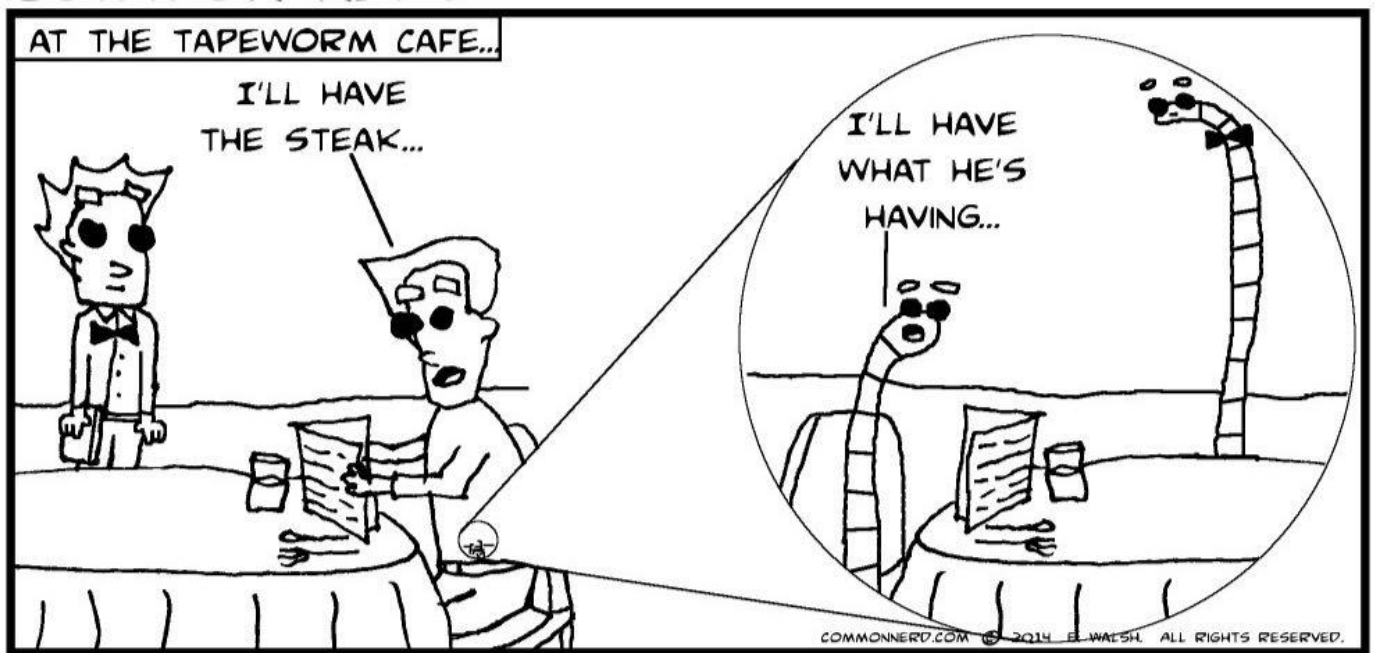
# Relaxing time

	3					9	
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			2	4	1		3
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	9		7		4		
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Ans

1	7	5	9	6	8	3	2	4
2	8	3	4	5	7	1	6	9
6	9	4	6	3	2	1	5	8
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4	9	8	2	3	6	5	1	7
3	5	7	8	1	6	4	2	9
5	3	6	1	4	2	8	7	9
7	1	2	6	8	3	9	4	5
8	4	9	7	6	5	2	3	1

# Comic Corner



Science Society 2017-2018

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