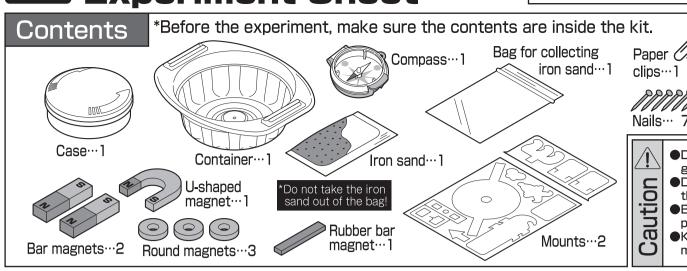
# Magnet [Type SB] **Experiment Sheet**



Sponge…1

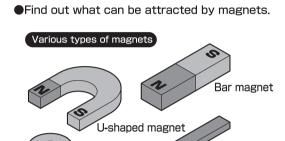




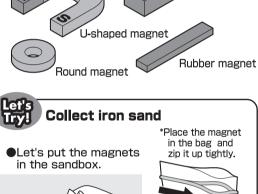
Pipe cleaners...5

- gets in the eyes. Do not put small objects such as nails, paper clips or sponges in the mouth to prevent accidental swallowing.
- auti •Be careful when handling nails, iron rods, pipe cleaners as the pointed tips may cause injury.
  - Keep magnets away from TV screens, cassette tapes, magnetic cards, computers, and floppy disks.

#### Let's find out what can be attracted and cannot be attracted by a magnet.



What is attracted to magnets?

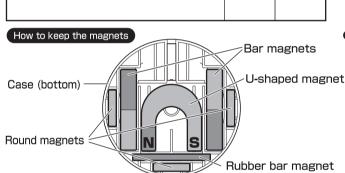




Bag for collecting

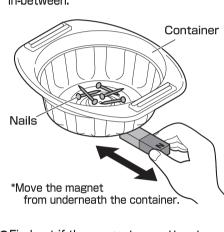
Circle the items that are attracted to magnets and draw a cross for items that are not attracted to magnets.

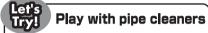
Item	Prediction	Result
Nail		
Paper clip		
How to keep the magnets  Bar magnets		



### Strength of magnet

Find out if the magnet can attract iron, even if there is non-magnetic material in-between.

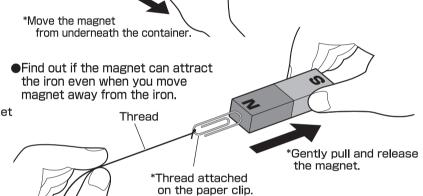




N/S stickers…1

Place a bar magnet under the container and let the pipe cleaners stand on it.



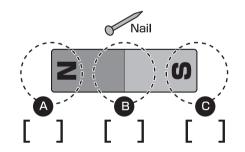


## What are the properties of the magnet?

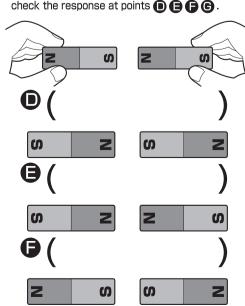


#### Poles of the magnet

lacktriangle Find out which point lacktriangle lacktriangle of the bar magnet is the nail attracted to the most.



- ☆ Tick in the box the point where the nail is most attracted to.
- Move the two bar magnets close to each other and

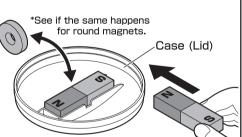


☆Write down in the brackets what happened to the magnet.

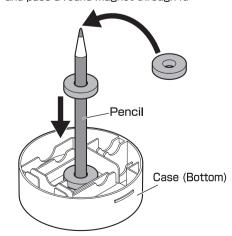
G

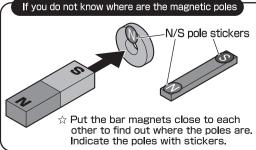
#### Various experiments with magnetic poles

Place a bar magnet on the lid of the case and bring another bar magnet close to it.



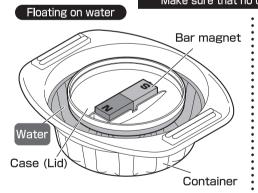
Place the pencil at the bottom of the case and pass a round magnet through it.

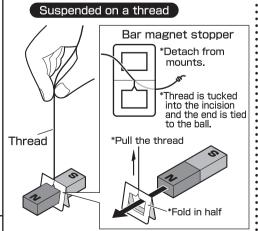


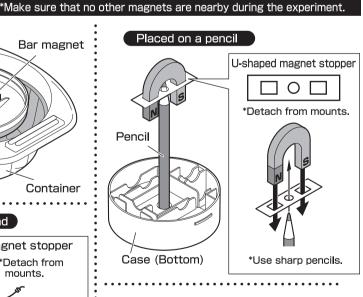


### Frely suspended magnet

• Find out what happens to a magnet that is allowed to move freely, as shown in the diagram.

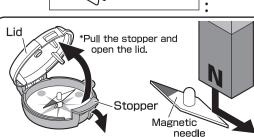






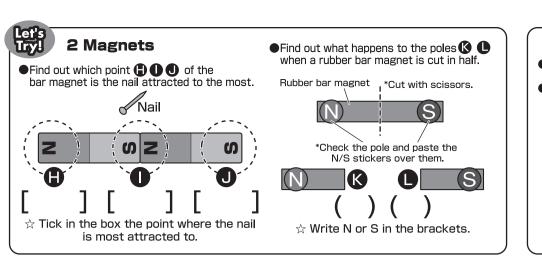


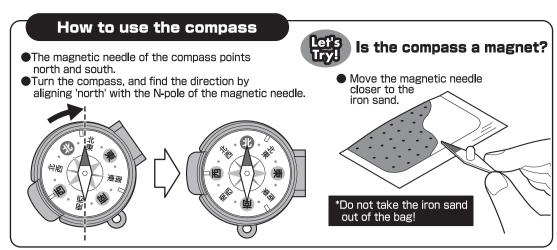
 Compare with the compass needle to see if there are any differences in movement.

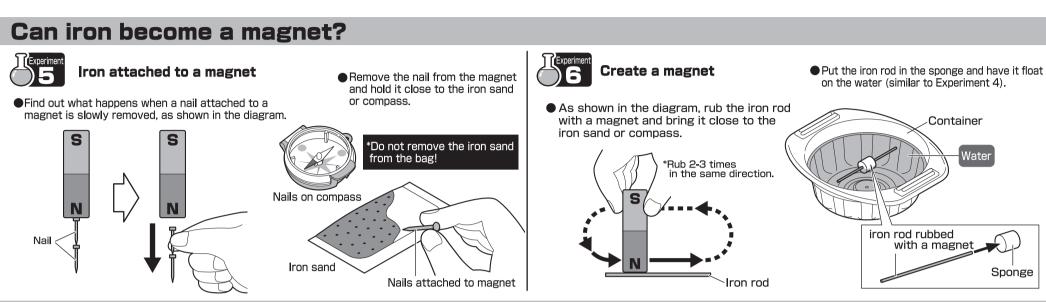


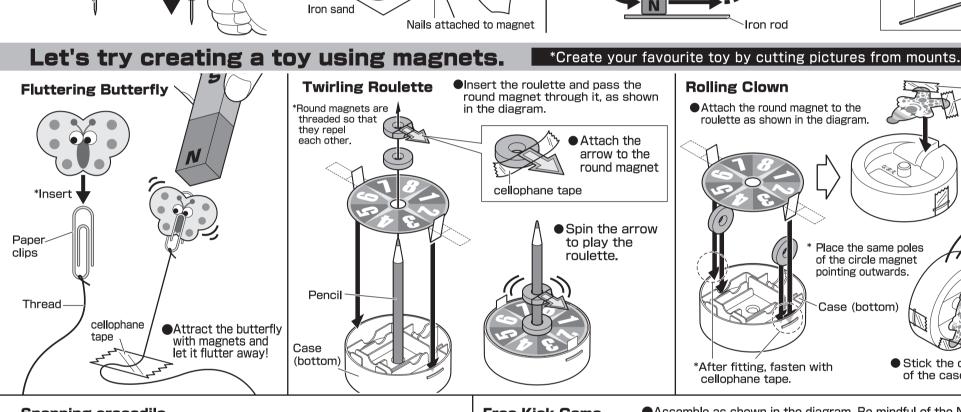
If the compass is not working

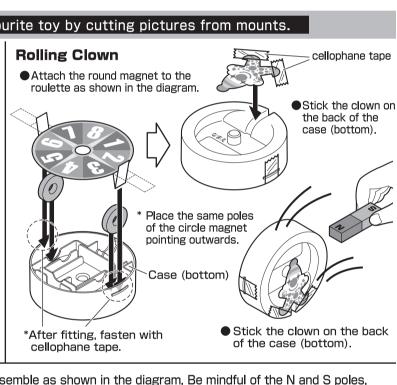
Take the magnetic needle and rub the red side (S-pole) of the magnetic needle 2-3 times with the N-pole side of the bar magnet, as shown in the diagram.

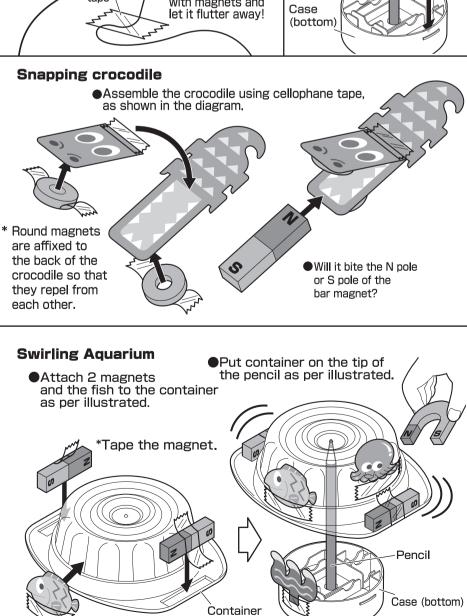












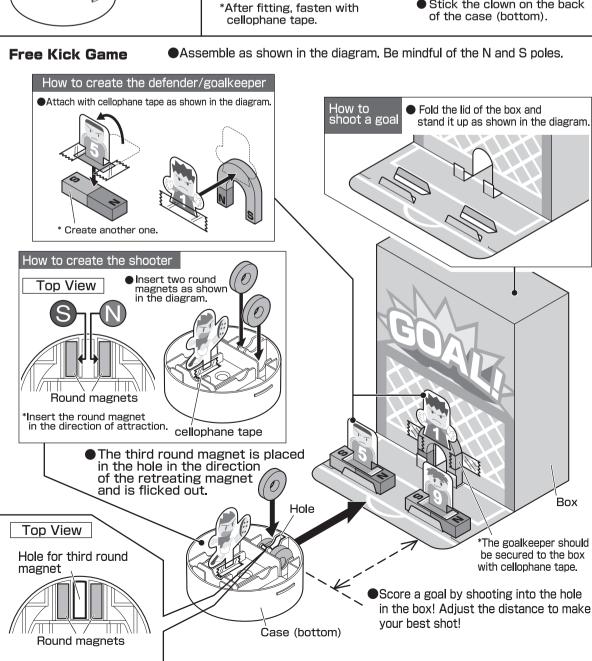
\*You can decorate with

any other decorations.

Using magnets,

you can see the fishes

circling and swimming.



cellophane

tape