

+

LIGO

Hanford & Livingston, USA
gravitational waves

Name: _____

Detections: _____



DETECTOR

+

VIRGO

Pisa, Italy
gravitational waves

Name: _____

Detections: _____



DETECTOR

+

+

Fermi

satellite
gamma rays

Name: _____

Detections: _____



DETECTOR

+

MAGIC

La Palma, Canary Islands
gamma rays, cosmic rays

Name: _____

Detections: _____



DETECTOR

+

+

VERITAS

Mount Hopkins, USA
gamma rays, cosmic rays

Name: _____

Detections: _____



DETECTOR

+

H.E.S.S.

Khomas Region, Namibia
gamma rays, cosmic rays

Name: _____

Detections: _____



DETECTOR

+

+

HAWC

Sierra Negra volcano, Mexico
gamma rays, cosmic rays

Name: _____

Detections: _____



DETECTOR

+

ANTARES

Mediterranean Sea
neutrinos, cosmic rays

Name: _____

Detections: _____



DETECTOR

+

+

+

+

+ + +

How to play this game:

You are a detector, an experiment patiently waiting for signals from outer space. **First**, write your name on the badge and put on on. Then check the info on this card and ask the **sources** if they have messengers you can detect. Only show your card when asked! Count how many you have detected underneath your name, like so: |||||. And any time you're wondering what all these crazy words actually mean, just ask one of the **physicists**. Welcome to the IceCube Masterclass!

+ + +

How to play this game:

You are a detector, an experiment patiently waiting for signals from outer space. **First**, write your name on the badge and put on on. Then check the info on this card and ask the **sources** if they have messengers you can detect. Only show your card when asked! Count how many you have detected underneath your name, like so: |||||. And any time you're wondering what all these crazy words actually mean, just ask one of the **physicists**. Welcome to the IceCube Masterclass!

+ + +

How to play this game:

You are a detector, an experiment patiently waiting for signals from outer space. **First**, write your name on the badge and put on on. Then check the info on this card and ask the **sources** if they have messengers you can detect. Only show your card when asked! Count how many you have detected underneath your name, like so: |||||. And any time you're wondering what all these crazy words actually mean, just ask one of the **physicists**. Welcome to the IceCube Masterclass!

+ + +

How to play this game:

You are a detector, an experiment patiently waiting for signals from outer space. **First**, write your name on the badge and put on on. Then check the info on this card and ask the **sources** if they have messengers you can detect. Only show your card when asked! Count how many you have detected underneath your name, like so: |||||. And any time you're wondering what all these crazy words actually mean, just ask one of the **physicists**. Welcome to the IceCube Masterclass!

+ + +

How to play this game:

You are a detector, an experiment patiently waiting for signals from outer space. **First**, write your name on the badge and put on on. Then check the info on this card and ask the **sources** if they have messengers you can detect. Only show your card when asked! Count how many you have detected underneath your name, like so: |||||. And any time you're wondering what all these crazy words actually mean, just ask one of the **physicists**. Welcome to the IceCube Masterclass!

+ + +

How to play this game:

You are a detector, an experiment patiently waiting for signals from outer space. **First**, write your name on the badge and put on on. Then check the info on this card and ask the **sources** if they have messengers you can detect. Only show your card when asked! Count how many you have detected underneath your name, like so: |||||. And any time you're wondering what all these crazy words actually mean, just ask one of the **physicists**. Welcome to the IceCube Masterclass!

+ + +

How to play this game:

You are a detector, an experiment patiently waiting for signals from outer space. **First**, write your name on the badge and put on on. Then check the info on this card and ask the **sources** if they have messengers you can detect. Only show your card when asked! Count how many you have detected underneath your name, like so: |||||. And any time you're wondering what all these crazy words actually mean, just ask one of the **physicists**. Welcome to the IceCube Masterclass!

+ + +

How to play this game:

You are a detector, an experiment patiently waiting for signals from outer space. **First**, write your name on the badge and put on on. Then check the info on this card and ask the **sources** if they have messengers you can detect. Only show your card when asked! Count how many you have detected underneath your name, like so: |||||. And any time you're wondering what all these crazy words actually mean, just ask one of the **physicists**. Welcome to the IceCube Masterclass!

+ + +

+

ARA

glacier, South Pole
neutrinos

Name: _____

Detections: _____



DETECTOR

+

IceCube

glacier, South Pole
neutrinos, cosmic rays

Name: _____

Detections: _____



DETECTOR

+

+

Pierre Auger Observatory

Mendoza Province, Argentina
cosmic rays, gamma-rays

Name: _____

Detections: _____



DETECTOR

+

ANITA

balloon, Antarctica
neutrinos

Name: _____

Detections: _____



DETECTOR

+

+

IceTop

surface, South Pole
cosmic rays, gamma rays

Name: _____

Detections: _____



DETECTOR

+

Telescope Array

Millard County, USA
cosmic rays

Name: _____

Detections: _____



DETECTOR

+

+

Very Large Array

Socorro, USA
radio waves

Name: _____

Detections: _____



DETECTOR

+

LOFAR

Netherlands
radio waves, cosmic rays

Name: _____

Detections: _____



DETECTOR

+

+

+

+

+ + +

How to play this game:

You are a detector, an experiment patiently waiting for signals from outer space. **First**, write your name on the badge and put on on. Then check the info on this card and ask the **sources** if they have messengers you can detect. Only show your card when asked! Count how many you have detected underneath your name, like so: |||||. And any time you're wondering what all these crazy words actually mean, just ask one of the **physicists**. Welcome to the IceCube Masterclass!

+ + +

How to play this game:

You are a detector, an experiment patiently waiting for signals from outer space. **First**, write your name on the badge and put on on. Then check the info on this card and ask the **sources** if they have messengers you can detect. Only show your card when asked! Count how many you have detected underneath your name, like so: |||||. And any time you're wondering what all these crazy words actually mean, just ask one of the **physicists**. Welcome to the IceCube Masterclass!

+ + +

How to play this game:

You are a detector, an experiment patiently waiting for signals from outer space. **First**, write your name on the badge and put on on. Then check the info on this card and ask the **sources** if they have messengers you can detect. Only show your card when asked! Count how many you have detected underneath your name, like so: |||||. And any time you're wondering what all these crazy words actually mean, just ask one of the **physicists**. Welcome to the IceCube Masterclass!

+ + +

How to play this game:

You are a detector, an experiment patiently waiting for signals from outer space. **First**, write your name on the badge and put on on. Then check the info on this card and ask the **sources** if they have messengers you can detect. Only show your card when asked! Count how many you have detected underneath your name, like so: |||||. And any time you're wondering what all these crazy words actually mean, just ask one of the **physicists**. Welcome to the IceCube Masterclass!

+ + +

How to play this game:

You are a detector, an experiment patiently waiting for signals from outer space. **First**, write your name on the badge and put on on. Then check the info on this card and ask the **sources** if they have messengers you can detect. Only show your card when asked! Count how many you have detected underneath your name, like so: |||||. And any time you're wondering what all these crazy words actually mean, just ask one of the **physicists**. Welcome to the IceCube Masterclass!

+ + +

How to play this game:

You are a detector, an experiment patiently waiting for signals from outer space. **First**, write your name on the badge and put on on. Then check the info on this card and ask the **sources** if they have messengers you can detect. Only show your card when asked! Count how many you have detected underneath your name, like so: |||||. And any time you're wondering what all these crazy words actually mean, just ask one of the **physicists**. Welcome to the IceCube Masterclass!

+ + +

How to play this game:

You are a detector, an experiment patiently waiting for signals from outer space. **First**, write your name on the badge and put on on. Then check the info on this card and ask the **sources** if they have messengers you can detect. Only show your card when asked! Count how many you have detected underneath your name, like so: |||||. And any time you're wondering what all these crazy words actually mean, just ask one of the **physicists**. Welcome to the IceCube Masterclass!

+ + +

How to play this game:

You are a detector, an experiment patiently waiting for signals from outer space. **First**, write your name on the badge and put on on. Then check the info on this card and ask the **sources** if they have messengers you can detect. Only show your card when asked! Count how many you have detected underneath your name, like so: |||||. And any time you're wondering what all these crazy words actually mean, just ask one of the **physicists**. Welcome to the IceCube Masterclass!

+ + +

+

MASTER

worldwide network
visible light

Name: _____

Detections: _____



DETECTOR

+

Swift-XRT

satellite
X-rays

Name: _____

Detections: _____



DETECTOR

+

+

Super-Kamiokande

Mozumi Mine, Japan
neutrinos

Name: _____

Detections: _____



DETECTOR

+

Hubble

satellite
visible light

Name: _____

Detections: _____



DETECTOR

+

+

+

+

+ + +

How to play this game:

You are a detector, an experiment patiently waiting for signals from outer space. **First**, write your name on the badge and put on on. Then check the info on this card and ask the **sources** if they have messengers you can detect. Only show your card when asked! Count how many you have detected underneath your name, like so: |||||. And any time you're wondering what all these crazy words actually mean, just ask one of the **physicists**. Welcome to the IceCube Masterclass!

+ + +

How to play this game:

You are a detector, an experiment patiently waiting for signals from outer space. **First**, write your name on the badge and put on on. Then check the info on this card and ask the **sources** if they have messengers you can detect. Only show your card when asked! Count how many you have detected underneath your name, like so: |||||. And any time you're wondering what all these crazy words actually mean, just ask one of the **physicists**. Welcome to the IceCube Masterclass!

+ + +

How to play this game:

You are a detector, an experiment patiently waiting for signals from outer space. **First**, write your name on the badge and put on on. Then check the info on this card and ask the **sources** if they have messengers you can detect. Only show your card when asked! Count how many you have detected underneath your name, like so: |||||. And any time you're wondering what all these crazy words actually mean, just ask one of the **physicists**. Welcome to the IceCube Masterclass!

+ + +

How to play this game:

You are a detector, an experiment patiently waiting for signals from outer space. **First**, write your name on the badge and put on on. Then check the info on this card and ask the **sources** if they have messengers you can detect. Only show your card when asked! Count how many you have detected underneath your name, like so: |||||. And any time you're wondering what all these crazy words actually mean, just ask one of the **physicists**. Welcome to the IceCube Masterclass!

+ + +

How to play this game:

You are a detector, an experiment patiently waiting for signals from outer space. **First**, write your name on the badge and put on on. Then check the info on this card and ask the **sources** if they have messengers you can detect. Only show your card when asked! Count how many you have detected underneath your name, like so: |||||. And any time you're wondering what all these crazy words actually mean, just ask one of the **physicists**. Welcome to the IceCube Masterclass!

+ + +

How to play this game:

You are a detector, an experiment patiently waiting for signals from outer space. **First**, write your name on the badge and put on on. Then check the info on this card and ask the **sources** if they have messengers you can detect. Only show your card when asked! Count how many you have detected underneath your name, like so: |||||. And any time you're wondering what all these crazy words actually mean, just ask one of the **physicists**. Welcome to the IceCube Masterclass!

+ + +

How to play this game:

You are a detector, an experiment patiently waiting for signals from outer space. **First**, write your name on the badge and put on on. Then check the info on this card and ask the **sources** if they have messengers you can detect. Only show your card when asked! Count how many you have detected underneath your name, like so: |||||. And any time you're wondering what all these crazy words actually mean, just ask one of the **physicists**. Welcome to the IceCube Masterclass!

+ + +

How to play this game:

You are a detector, an experiment patiently waiting for signals from outer space. **First**, write your name on the badge and put on on. Then check the info on this card and ask the **sources** if they have messengers you can detect. Only show your card when asked! Count how many you have detected underneath your name, like so: |||||. And any time you're wondering what all these crazy words actually mean, just ask one of the **physicists**. Welcome to the IceCube Masterclass!

+ + +

+



Name: _____

Detections: _____



DETECTOR

+



Name: _____

Detections: _____



DETECTOR

+

+



Name: _____

Detections: _____



DETECTOR

+



Name: _____

Detections: _____



DETECTOR

+

+



Name: _____

Detections: _____



DETECTOR

+



Name: _____

Detections: _____



DETECTOR

+

+



Name: _____

Detections: _____



DETECTOR

+



Name: _____

Detections: _____



DETECTOR

+

+

+

+

+



Name: _____

Detections: _____



DETECTOR

+



Name: _____

Detections: _____



DETECTOR

+

+



Name: _____

Detections: _____



DETECTOR

+



Name: _____

Detections: _____



DETECTOR

+

+



Name: _____

Detections: _____



DETECTOR

+



Name: _____

Detections: _____



DETECTOR

+

+



Name: _____

Detections: _____



DETECTOR

+



Name: _____

Detections: _____



DETECTOR

+

+

+

+