

Listening station

Scientists can turn information (data) from space into sounds that we can hear.

Listen to the sounds and imagine what created them.

Tap the buttons on the iPad and listen through the headphones. Listen to one sound, or to several, then choose the one that sparks your imagination.

What does this sound make you imagine?

Is it:

**rough, smooth, crunchy, hollow,
sharp, fuzzy, echoing or heavy?**

Does it:

**ring, buzz, hum, crackle, tick, drift
or rumble?**

Your creation could be something you imagine hearing: a place, an object, a creature or an abstract shape.

Which materials can we use to trigger a sound?

Some materials can carry electricity. These are called conductive materials.

Try it

- 1 Choose a material.
- 2 Place it on the testing board.
- 3 See if it completes the circuit.

Sort what you have tested into the two trays.

Conductive

cut here

Not conductive

Explore the map!

**Touch the creations to hear
the sounds that inspired
them.**

Every creation on this map was made by someone who listened to a sound from space and imagined what made it. Find the path your sound belongs to and add yours.

What is a sonification?

Scientists can use sound to help us explore data. By translating information such as the brightness, position or movement of objects in space into sounds, we can experience space data in a different way.

Hear the originals



The sound set



NASA sonifications



Hubble sonifications