

## SCIENCE



**Q: How can we change the pitch of a plucked note?**

**Complete the task below to answer the question.**

Word	Definition
Amplitude	The loudness of a sound is dependent on how strong the vibrations are. The size of these vibrations is known as the <b>amplitude</b> . The higher the amplitude, i.e. the stronger the vibrations, the louder the sound.
Continuous	Going on without pausing or stopping.
Decibels	A unit used to measure the loudness of sounds. It is abbreviated to dB.
Faint	A sound with very little strength.
Frequency	The speed of the vibrations is known as their <b>frequency</b> . The higher the frequency, i.e. the faster the vibrations, the higher the pitch.
Hertz	Frequency is measured in hertz
Pitch	Sounds can be <b>high</b> or <b>low</b> . This is known as the <b>pitch</b> of the sound.
Vibration	Vibrations are invisible waves that move quickly up and down.
Volume	Sounds can also be <b>loud</b> or <b>quiet</b> . This is known as the <b>volume</b> of the sound.

**Explore how to affect the pitch of a note using a sturdy box with no lid, e.g. a shoe box.**

**Explore how the width and tautness (tightness) and length of the band will affect the pitch of the note produced when it is plucked.**

**Draw labelled diagrams to show what you found out. Use what you know about vibrations to explain why the width and length of the band affect the pitch of the note.**

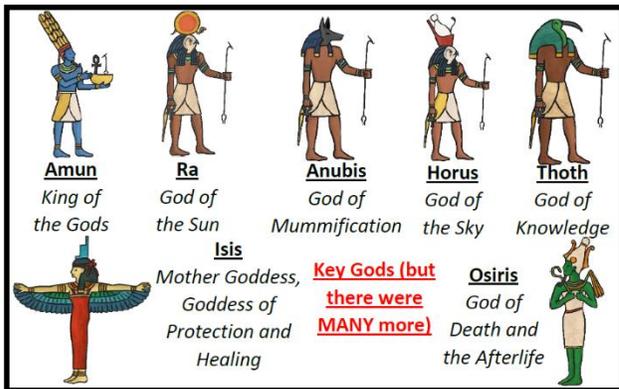
**Your investigation should aim to answer the following questions:**

- **What happens to the pitch of a note when the band is a different thickness?**
- **What happens to the pitch of the note when you change the tautness of the band?**
  - **How did you change the length of the band?**
  - **Could you change the band length whilst keeping it at the same tautness?**

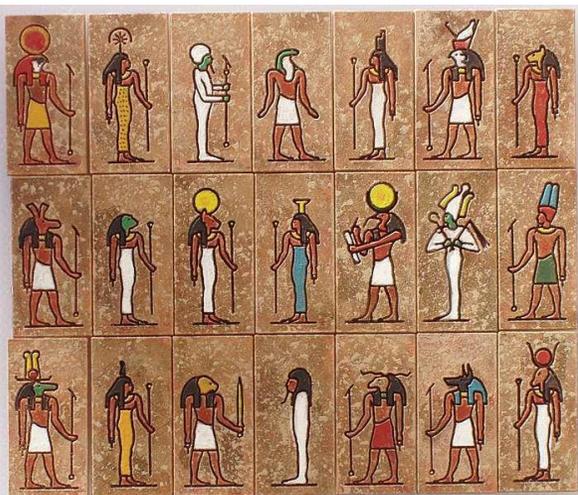
# History



**Q: What did the Ancient Egyptians believe?  
Chose one of these tasks to answer the question...**



<https://www.bbc.co.uk/bitesize/topics/zg87xnb/articles/z4m8pg8>



# A

**Find out more about one of the Ancient Egyptian gods. Write a profile of them.**

- **What did they look like?**
- **What was their role?**
- **How were they worshiped?**
- **What stories were there about them?**

# B

**Draw one of the Ancient Egyptian gods and write a short description of who they were and why they were worshiped?**

# C

**The Ancient Egyptians had many gods and each was responsible for an aspect of daily life.**

**Create an A-Z of Ancient Egyptian gods. Write down the name of a god for as many letters of the alphabet as you can. Also include what the god was responsible for. (Some letters do not have a god)**



## Our topic is Ancient Egyptian Mythical Art .

### TASK:

Word	Definition
Hieroglyphics	A picture used as a form of writing instead of letters.
Papyrus	A plant that grows on the banks of the River Nile.
Pharaoh	An ancient Egyptian ruler (king or queen).
Pyramid	A building with triangular sides built as an Egyptian tomb (a place to bury the dead).
Tutankhamun	He was a pharaoh of Egypt.
Gold mask	King Tutankhamun's death mask
Observational drawing	Observational drawing is drawing what you see, drawing from life or a model
sketch	a rough or unfinished drawing or painting, often made to assist in making a more finished picture.
shading	the darkening or colouring of an illustration or diagram with parallel lines or a block of colour.

Create a mythical scene (by Silhouette Art) which contain the pyramids in the background.  
 What you need – paint, brush, white paper, black paper, scissors



#### What to do:

1. Choose the colours you want for a background. A sunrise or sunset theme would create a striking image so yellow, orange or red would be the most appropriate colours.
2. Mix the colours you've chosen for your background.
3. You could experiment with different shades of the same colour for a striking effect. Use water to blend the brushstrokes.
4. Cover the whole sheet of white paper.
5. While the paint dries, it is time to turn your attention to the silhouette.
6. Choose an ancient Egyptian object as your inspiration. The pyramids are one of the most recognisable landmarks of ancient Egypt.
7. Rehearse sketching the outline before transferring the outline to the black paper.
8. Cut out the outline you have made and stick it on the painted background.





# Hinduism



**Q: What do you know about the Hindu Gods and Goddesses?**

**Chose one of these tasks to answer the question...**

## A

**Create a poster about the following Hindu Gods:**

- **Brahma**
- **Vishnu**
- **Shiva**

## B

**Research and find any 6 Hindu Gods. Draw them and write their characteristics.**

## C

**On the basis of your research about the Hindu Gods and Goddesses:**

1. **Create your own Hindu God.**
2. **Draw the picture of your creation**
3. **Write their characteristics**

