

# Maya vs Aztecs

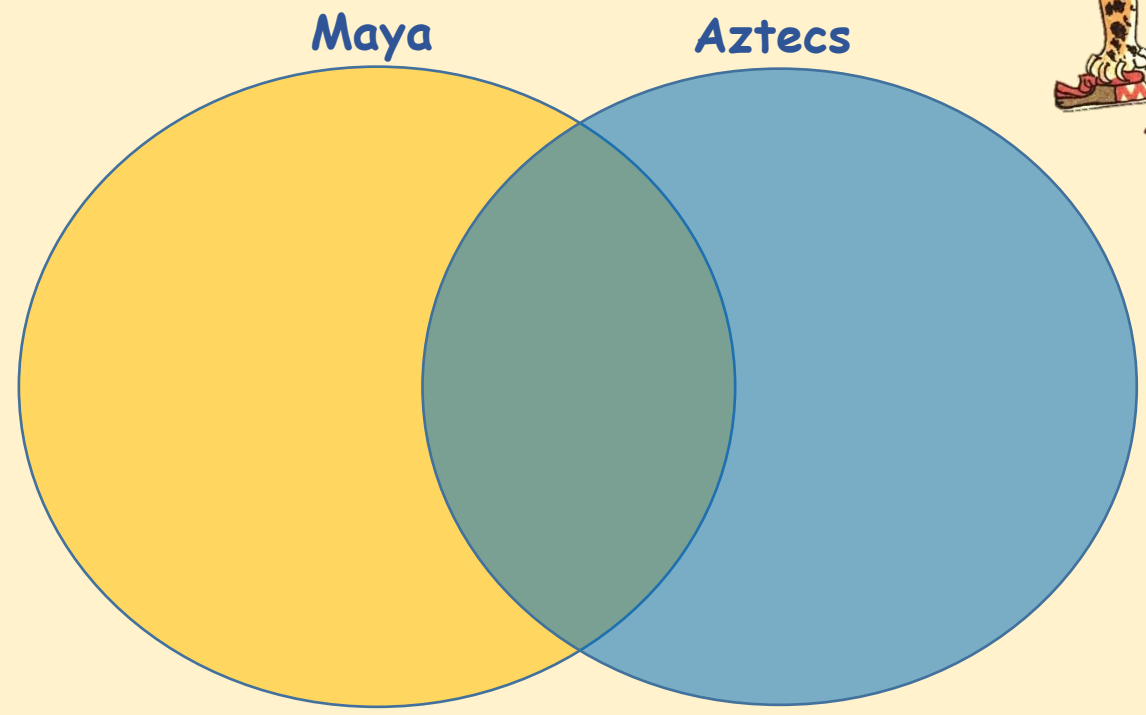
The Aztecs are another civilisation who lived in Mexico.

Although they do share some similarities with the Maya, there are important differences between the two civilisations which we would like you to research.



Create a Venn diagram to show at least 5 key differences and similarities between the Maya and the Aztecs.

Remember, the section in the centre is for the similarities!



# Paper Hovercrafts

WATCH SCIENTIST JOE PERFORM THIS EXPERIMENT HERE!



## Materials:

<https://www.youtube.com/watch?v=VAidwarL1l8&feature=youtu.be>

★ Square Paper



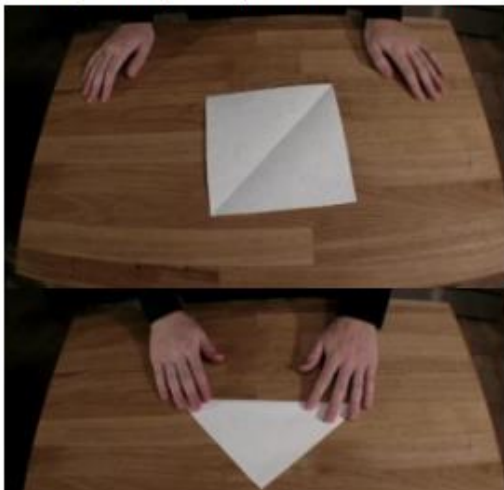
## How it Works:

The pocket under the hovercrafts trap air and create a zone of high pressure. Further, the air moving over the craft has lower pressure. This difference creates lift and gets rid of the friction that normally holds the paper in place on the table. Without friction holding it back, a little breath is all it takes to get the hovercraft speeding on its way!

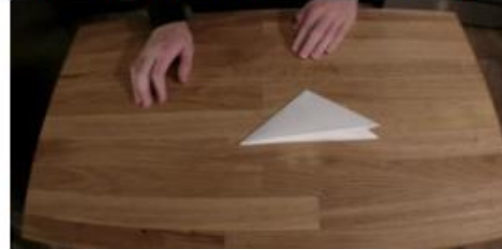
## Extra Experiments:

1. These little hovercrafts are so easy to make, it doesn't take long to build some out of different materials (newspaper, cardboard, aluminum foil) or different sizes see which ones drive the straightest, go the fastest, or take the most breath to get moving!

1. Start by folding the square in half corner to corner to make a triangle.



2. Fold that triangle in half corner to corner to form a smaller triangle.



3. Unfold the previous fold to get the larger triangle. Fold the edges of the triangle into the newly-made crease to form a kite shape.



4. Fold the inside edges of the kite shape toward the outside edges as shown.



5. Turn the paper upside down and blow gently into the open end. Your hovercraft should zoom away!

