

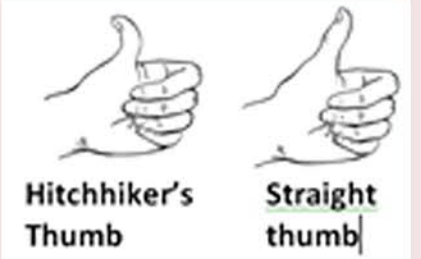


FAMILY TRAITS
Family history and Inheritance

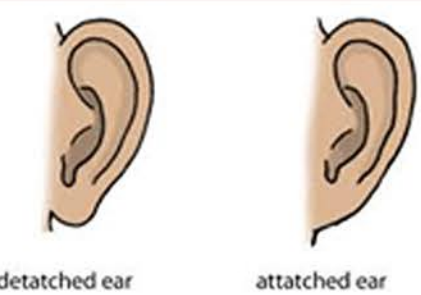
Hi, this is Daisy and I am Donald ! We are the best of friends. Daisy has brown curly hair, blue eyes, and likes making pizza. I, as you can see, have black hair, black eyes and am good at sports. Let me share a secret with you. We are twins. Yes twins. Yet we are so different from each other. Do you know why?

Its because of TRAITS. I did a lot of research on this and gathered some information. A trait is a specific characteristic of an individual. For example, their hair color or their blood type. Some traits are controlled by genes that pass from parent to child. Others are acquired through learning. But most are influenced by a combination of genes and environmental factors. I have listed some examples of variable traits that are ea sy to observe.

Hitch hiker's thumb-It is a thumb that is very flexible, and able to bend backward beyond the normal range of motion.This is because of the genetic traits that make a person bend his thumb backward while stretching.



Earlobe attachment-If earlobes hang free, they are detached. If they connect directly to the sides of the head, they are attached. Earlobe attachment is a continuous trait: while most earlobes can be neatly categorized as attached or unattached, some are in-between.



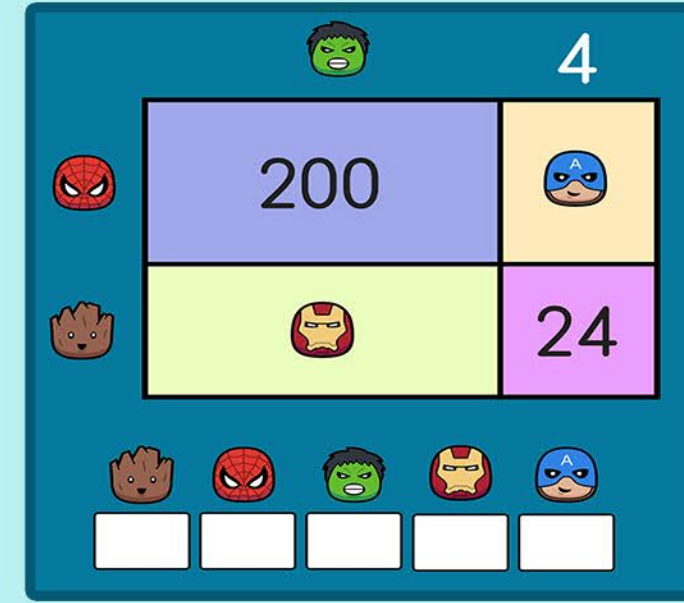
If you want more information then you can use the given link. I am sure it will prove interesting to check. <https://learn.genetics.utah.edu/content/basics/observable/>
Now you can find out more examples of such interesting genetic traits in human beings and use them to fill up the following family traits worksheet to collect data about your family.

Instructions

- Fill in the genetic traits in the first row (at least six). One example (attached earlobe) is given.
- Fill in this family genetic trait chart starting with you.
- Write your name and answer yes or no for each trait-(Y) if you have it and (N) if you don't have it.
- These traits are "inherited" meaning you probably share the same traits with one of your parents or grandparents.
- Interview your siblings, parents, grandparents or other relatives to see which traits you share.

| Name | Attached earlobes | | | | |
|------|-------------------|--|--|--|--|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Find the value of each icon in the Area Model below so that it is equal to 384.



- KEY**
- Hulk = 20
 - Spider-Man = 10
 - Capt. America = 40
 - Groot = 6
 - Iron Man = 120

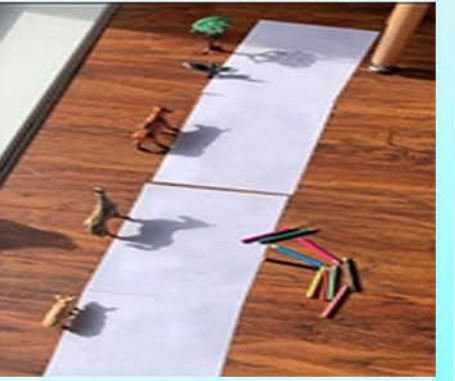
1) Write a diary entry on everyday news and activity about Corona Virus and the lockdown. It would be considered an informative journal like the diary of Anne Frank.



2) Prepare a bird feeder using just a large bottle. Who doesn't like watching the birds feed in the garden, especially when there is little happening at the moment.



3)Your favourite animals or characters can easily be drawn around the shadow. Later, colour it also



Here's a fun one crossword puzzle for all ages. The answer to every clue is spelled using only the letters in WATERMELON. Hopefully this is a sweet, juicy challenge for you, and not too seedy!

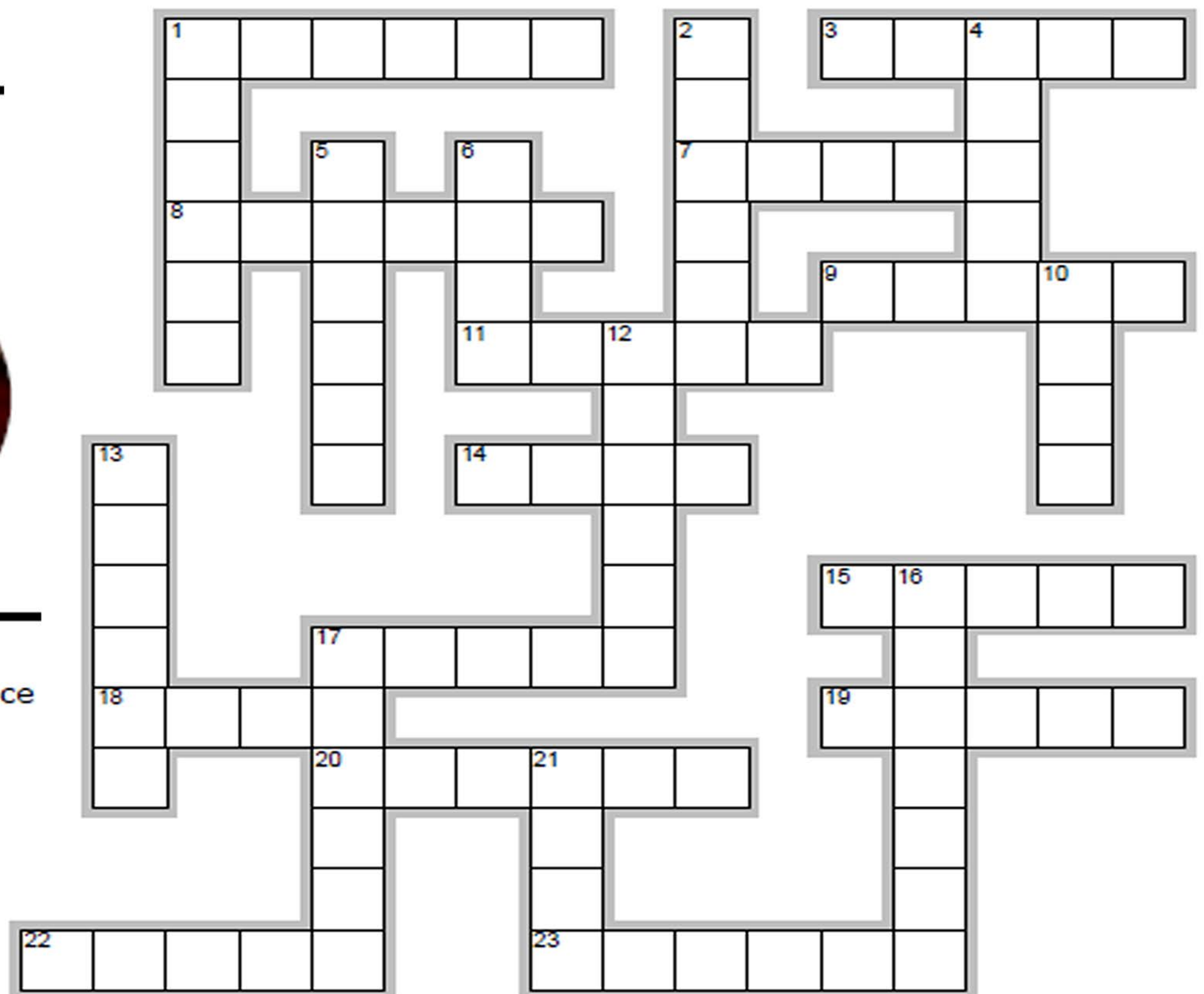
Across

- A chunk of rock from space that makes a light streak in the sky
- H₂O
- To resume or take up again
- Small gardening tool
- Bumps on the skin, from toads?
- Group of females
- Lease payment
- Find out new information
- Inn
- A large plant with bark
- Yellow fruit
- Tidier
- Back tooth
- Usual or ordinary



Down

- Shelf above a fireplace
- Mental attitude of a person or group, especially regarding confidence during adversity
- Tall fortress
- A car that is lent to replace one that's being serviced
- Cat sound
- Squad of players
- Relating to the mind
- Far off
- Lasting through all time
- A teacher and role model
- Village



Answers to Activity Sheet 1

Science

English

- It is an optical illusion that makes colors look different depending on their relation to adjacent colors. It works with small sections of color while the opposite effect happens when contrasting large areas of color. The colour of red lines is same in both the cases but it appears darker when placed with black lines.
- This famous illusion appears to be both a duck and a rabbit depending on how you look at it.
- We observe a white vase or two identical black faces looking at each other.

- Principal, Principle
- Mantel, Mantle
- Earn, Urn
- Flea, Flee
- Stationary, Stationery

- Steal, Steel
- Air, Heir
- Desert, Dessert
- There, Their