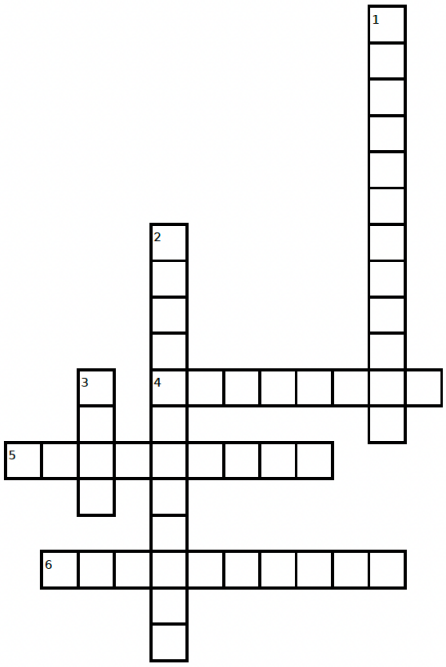
Word Search

B S N F A C U L T A T I V E R
P T M H J P M C N T E B O A A
A W M D W V X K X E Q Y H B G
R K H G A C Z P Y X S Y A U A
A C D E F I N I T I V E R W X
S O O S O V S M N N X A M N Q
I B A O R G A N I S M F F D F
T L I N T E R M E D I A T E F
I I W H K D W B Y A Q U U U O
C G Y M O R E S E R V O I R X
O A Z Z B S U O M O U K F C N
Z T M F N H T F G G U W O B E
A E X E N D O P A R A S I T E
L T K K R Q Y D S C F K X X R
W E C T O P A R A S I T E M L

INTERMEDIATE
DEFINITIVE
ORGANISM
OBLIGATE
ENDOPARASITE
PARASITIC
RESERVOIR
HARM
FACULTATIVE
ECTOPARASITE
HOST

Crossword Puzzle



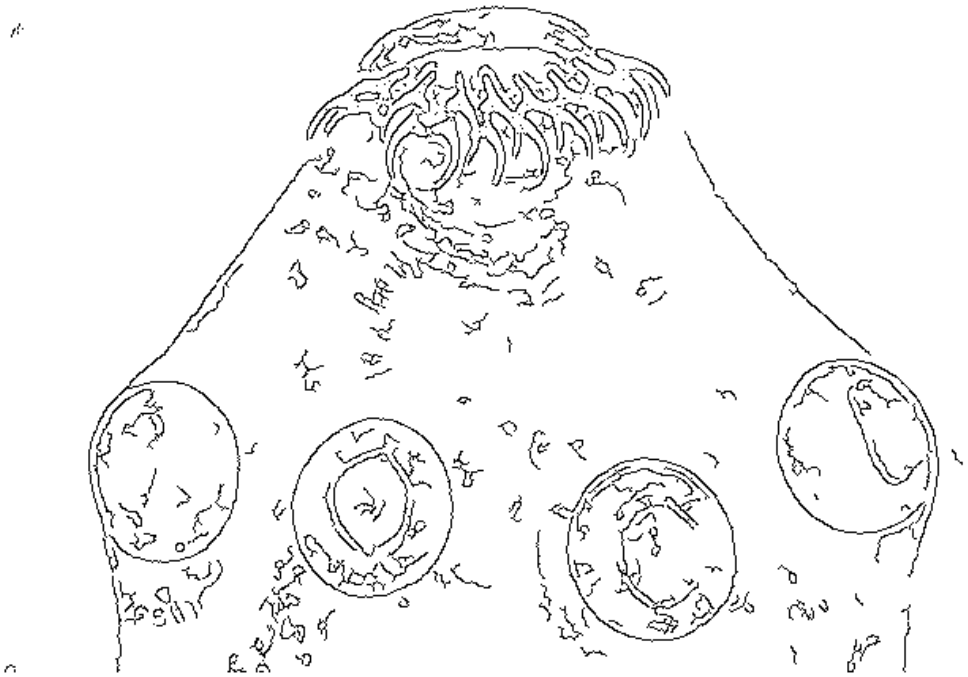
Down:

1. LIVES ON THE SURFACE OF A HOST
2. LIVES INSIDE A HOST
3. A HOME TO A PARASITE

Across:

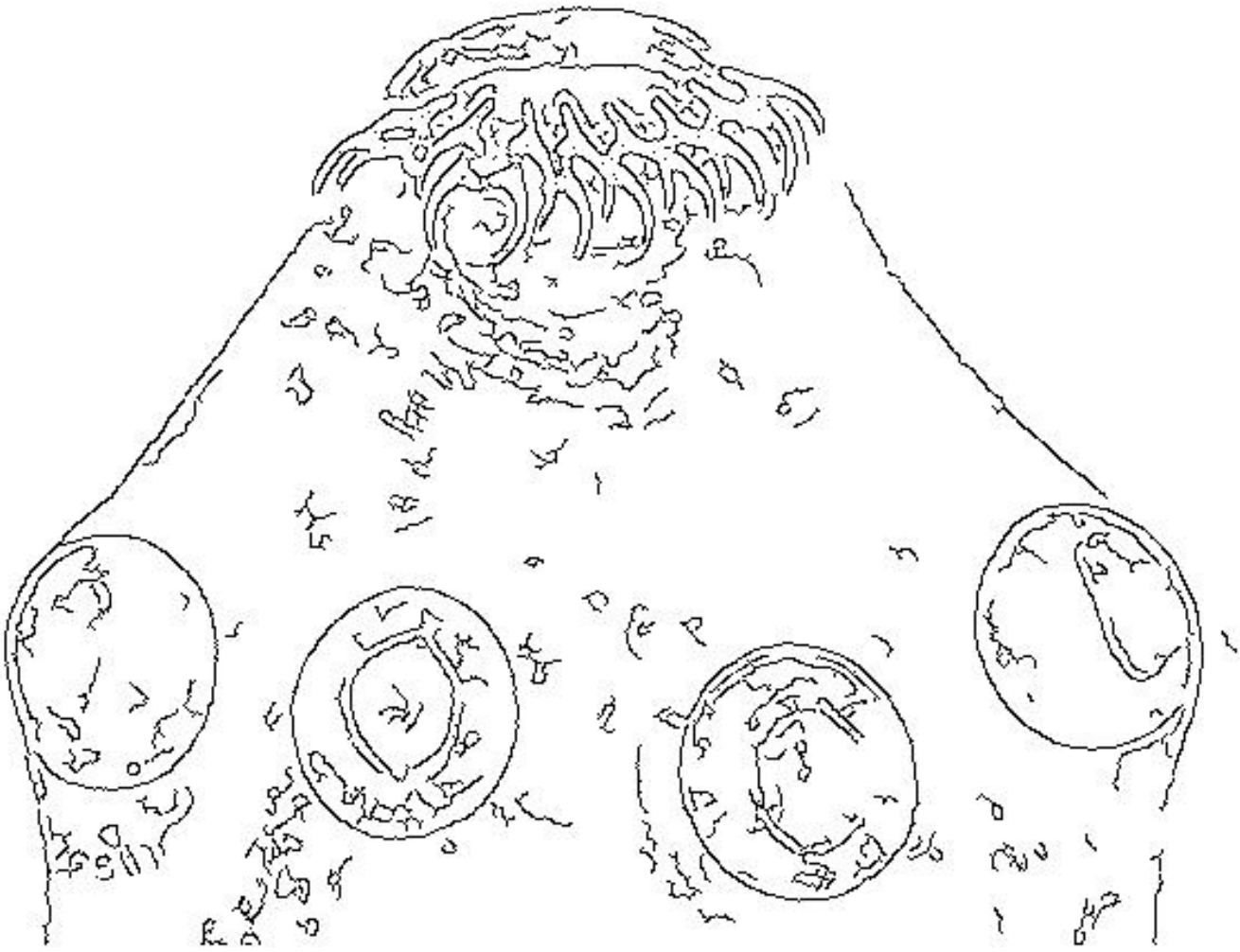
4. LIVES IN OR ON A HOST
5. TYPE OF HOST WHICH ISN'T HARMED BY A PARASITE BUT ACTS AS A SOURCE OF INFECTION FOR OTHER ORGANISMS
6. TYPE OF HOST WHERE THE PARASITE CAN COMPLETE ITS LIFECYCLE

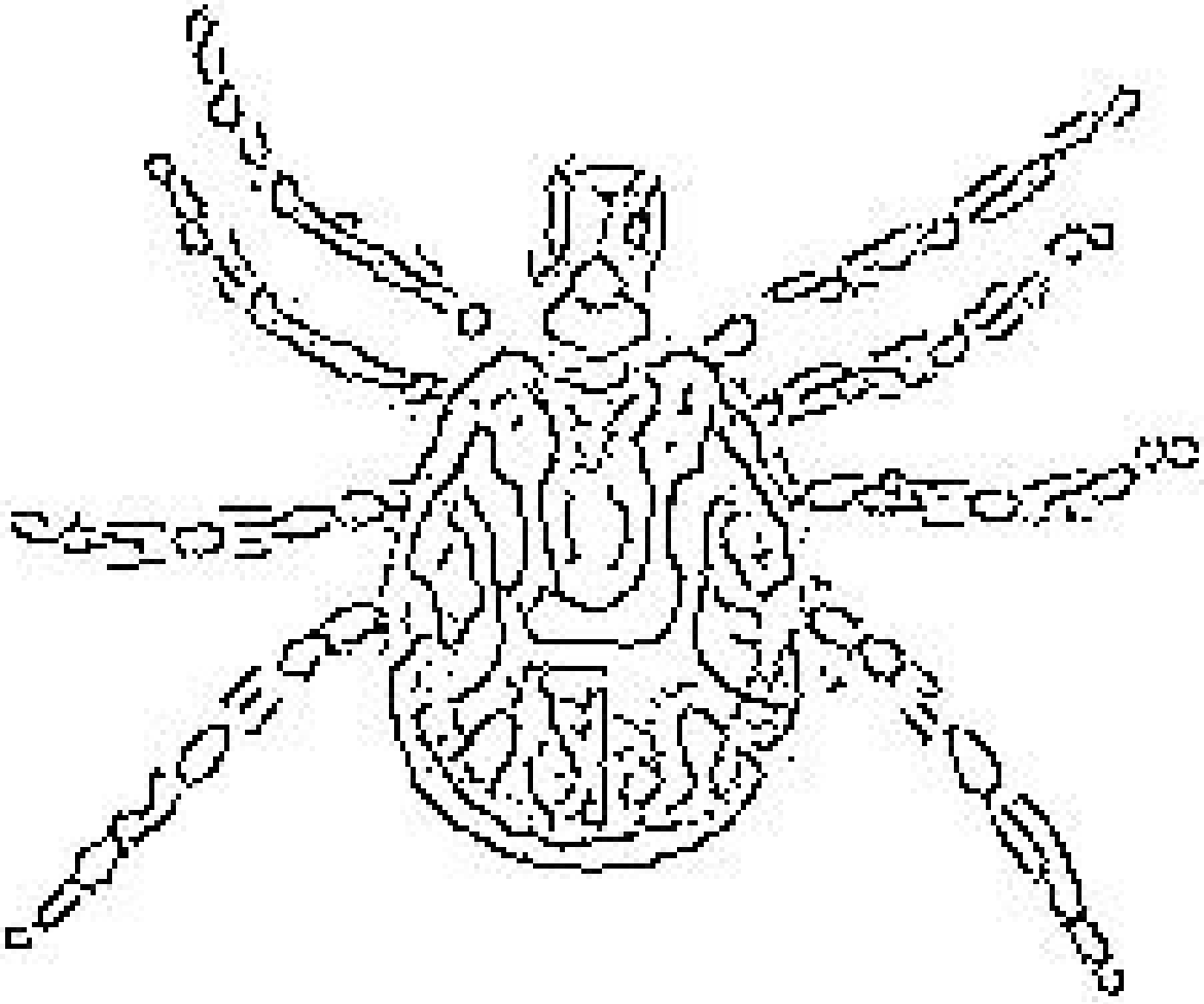






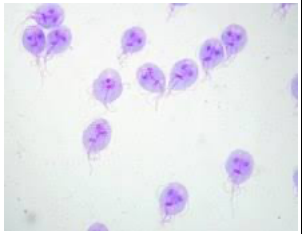
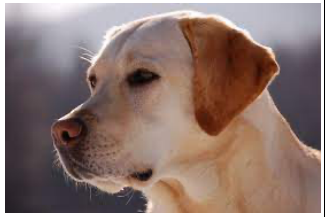
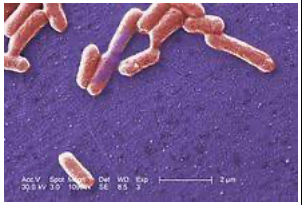
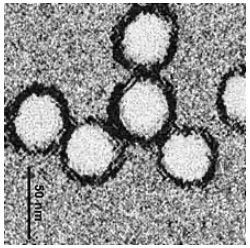




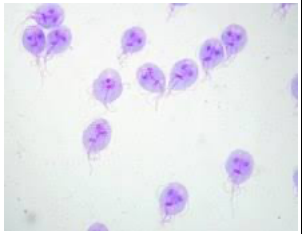
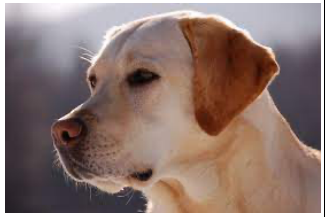
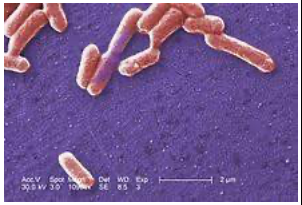
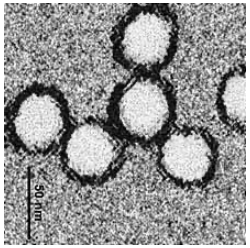


PARASITE OR HOST?

Image source – Wikipedia.org

COW 	PROTOZOA 	DOG 	TICK 	CUCKOO 	LICE 
RAT 	BACTERIA 	VIRUS 	SNAIL 	CAT 	WORMS 

PARASITE OR HOST? - ANSWERS

COW	PROTOZOA	DOG	TICK	CUCKOO	LICE
					
HOST	PARASITE	HOST	PARASITE	PARASITE	PARASITE
RAT	BACTERIA	VIRUS	SNAIL	CAT	WORMS
					
HOST	PARASITE	PARASITE	HOST	HOST	PARASITE

Make a Blood Sucking Mosquito Straw!

Equipment

- A straw (any type is fine) for the body / proboscis
- Pipe cleaners or strips of paper / thin card for the body
- A medium pom pom or section of an egg carton, a piece of toilet roll tube or rolled up cardboard is fine, for the head.
- Colouring pens or pencils
- Eye stickers, round stickers or googly eyes
- Pipe cleaners or rolled up paper / card / paper straws for legs
- Paper or plastic to make wings
- Glue, tape or double-sided sticky pads
- Paper
- Juice or water, red colour (food colouring / or red juice or squash) if you have it or any other colour is fine if you don't.

Method

1) Use the straw as the base, leave 5cm of straw at each end free, so it can stick out like the proboscis of the mosquito on one end and so you have room to suck up 'blood' from the other end.
2) In the middle wind either card/ paper strips or pipe cleaners around the straw to make the body section thicker
3) Onto the body add 3 legs each side with pipe cleaners, paper straws or rolled up paper
4) At one end stick a head – this could be a pom pom, egg box section or 3cm piece of toilet roll tube.
5) If you want to, colour or paint the head
6) Add googly eyes / eye stickers or draw eyes on the head
7) Cut out some wings from paper or plastic and stick on behind the head
8) Make some red water or juice /squash
9) Use your mosquito straw to suck up the drink / pretend blood to become a vampire vector! Why not add some cupcake sprinkles into the 'blood' as pretend parasites?!





Image source: http://bookwormstreehouse.com/

Make your own Spirochete!

1) Make a spirochete and burrow it into some pretend tissue using a corkscrew action

Equipment:



- Pipe cleaners or other type of strong bendy wire
- Your finger or a pen / pencil
- A lump of playdoh (if you want to you could even make this shaped like a specific piece of tissue or an organ, such as bone, heart, liver, kidneys etc)
- Other soft materials like Shaving foam / bowl of jelly / pot of slime

Method:

- Get your pipe cleaner or piece of wire and twist it around your finger or a pen / pencil or other thin cylindrical object to make a coiled spirochete shape
- See if you can twist it using a corkscrew action into your lump of playdoh / playdoh organ
- If your spirochete won't twist into the playdoh, try twisting 2 or more pipe cleaners or lengths of wire together before making it into a coil shape.

How easily does the spirochete penetrate the play doh?
Maybe experiment with different thicknesses of spirochete, different twisting actions, how firmly you press or try twisting it into different types of materials, like jelly, slime, shaving foam or similar materials.

2) Make some twisty spirochete inspired art!

Equipment:

- White or light coloured paper or card, a few sheets of A4 is fine, folded in half
- Liquid type paint or ink, different colours if you have them
- Paint brush
- String / wool or thread

Method:

Watch the youtube shorts video which demonstrates the technique to produce the beautiful wiggly string paintings.

https://youtube.com/shorts/6MQ_u0T82k4?feature=share

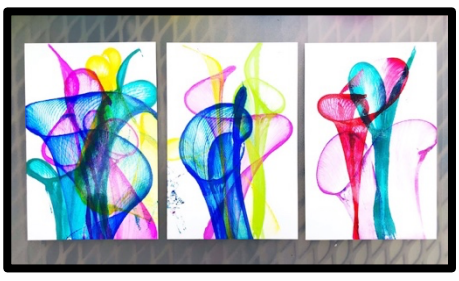


Image sources: tinkerlab.com & stimtoybox.tumblr.com

Brain Cupcakes







INGREDIENTS (10-12 cupcakes):

Dry ingredients:

- 300g plain or GF flour
- 150g brown sugar or coconut sugar (white sugar is also fine)
- 2 tsp baking powder

Wet ingredients:

- 250ml any type of milk
- 100ml sunflower or vegetable oil
- 1 tbsp lemon juice or cider vinegar
- 1 tsp vanilla extract

Other ingredients:

- Jar of your favourite jam (ideally red colour but any is fine)
- Block of ready to roll soft white icing or marzipan, or squeezy white icing / pipeable buttercream. Alternatively, you can use gummy worms / laces type sweets to create a wiggly brain effect.

Things you'll need:

- 1 or 2 cupcake trays
- cupcake paper cases
- Electric hand mixer (although you could mix it by hand instead using a whisk)

METHOD:

To make the cupcakes preheat the oven to 180C (360F).

Mix together all dry cupcakes ingredients in a large bowl - make sure there are no lumps.

And then mix together all wet cupcakes ingredients in a separate bowl.

Pour the wet ingredients into the bowl with the dry ingredients and mix well with a hand mixer. Again, make sure there are no lumps.

Spoon the batter into cupcake case lined cupcake trays. Fill halfway then add half a tsp of jam into the middle of each, then continue filling each case with cupcake batter until they are ¾ full.

Bake for approximately 8-15 minutes or until risen and golden. Then take out of the oven and let them cool down.

When the cupcakes have cooled down spread ½ tsp of jam on top of each one. This will be the base for your icing brains!

Then pinch off small pieces of the white icing or marzipan and roll into long thin snake shapes, place these on top of the jam in a wiggly pattern to mimic brains (see images for inspiration!) If you want them even more gruesome, drizzle some warmed up jam over the top to create a blood effect!

Enjoy!

(image sources: Wikipedia.org, marthastewart.com, foodheavenmag.com)