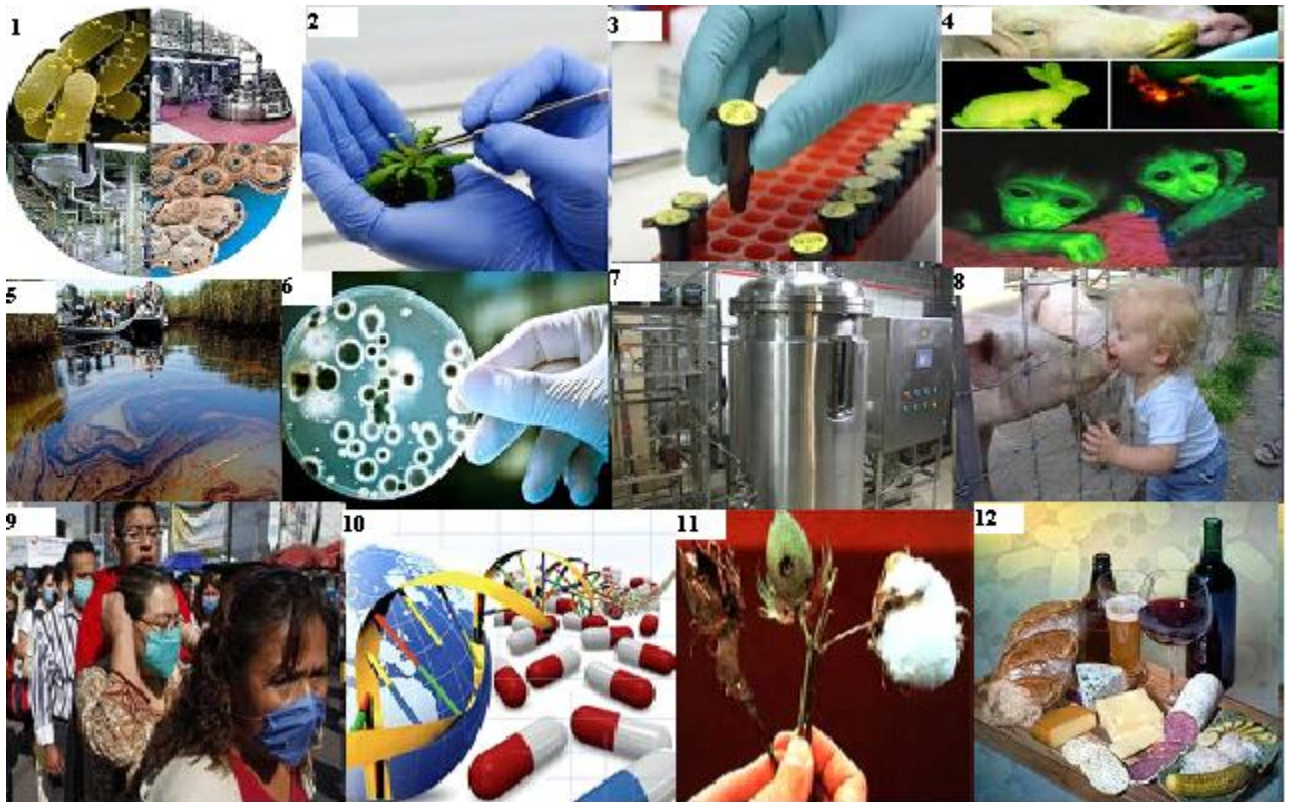# QUESTION NUMBER 1

Susan is 2 and a half years old and she's lethargic and always shows tiredness , unlike the other children of her age.It is difficult for her mother to wake her up from her sleeps. She is allergic to meat and meat products and complains of nausea and vomiting when she eats eggs. A year back,she caught chicken-pox at the age of 1. After then,she started screaming at times and showed self-injurious behaviour and was more than an active child. Her doctor misdiagnosed her with Reye's syndrome. Comment on Susan's problem with proper explaination and suggest a suitable cure.

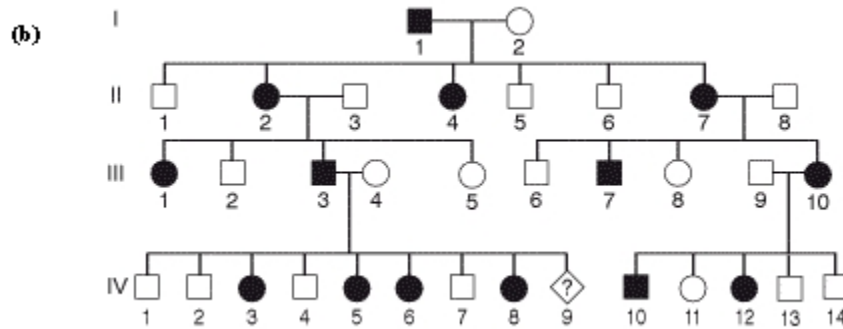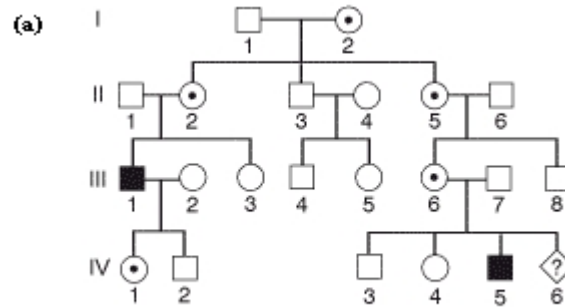# QUESTION NUMBER 2

Use the above clippings to make a relevant story.You may use all or as many clippings as you want. Try making the story as interesting as possible but please let it be a logical one. Also mention as to what you interpret by each clipping against the number of that particular clipping(even if you have not used in your story).

QUESTION NUMBER 3

Considering first two as father and mother, find the chromosomal linkages and the dominant/recessive nature of (?) in each figure. Explain.

QUESTION NUMBER 4

Thinkgreen India Pvt Ltd. is a company which deals in R&D for efficient bioremediation methods. Recently they have come up with a unique business idea for waste recycling rather than remediation.They plan to set up a chain of recycling units which woud be linked to major companies dealing in biofuels, bioplastics and other green products whose wastes or by-products can be reclaimed and recycled into fuel by our company and sold to other bioprocessing industries for driving their production.

Formulate a complete B-Plan elaborating the following:

- The waste or by-products that will be utilized
- The industries from which waste will be obtained(our Tie-ups)
- Cost effective procedures for recycling of waste into fuel
- Plant setup details(location, infrastructure, initial number of units)
- Financial viability, services offered, target sector, exit strategy.