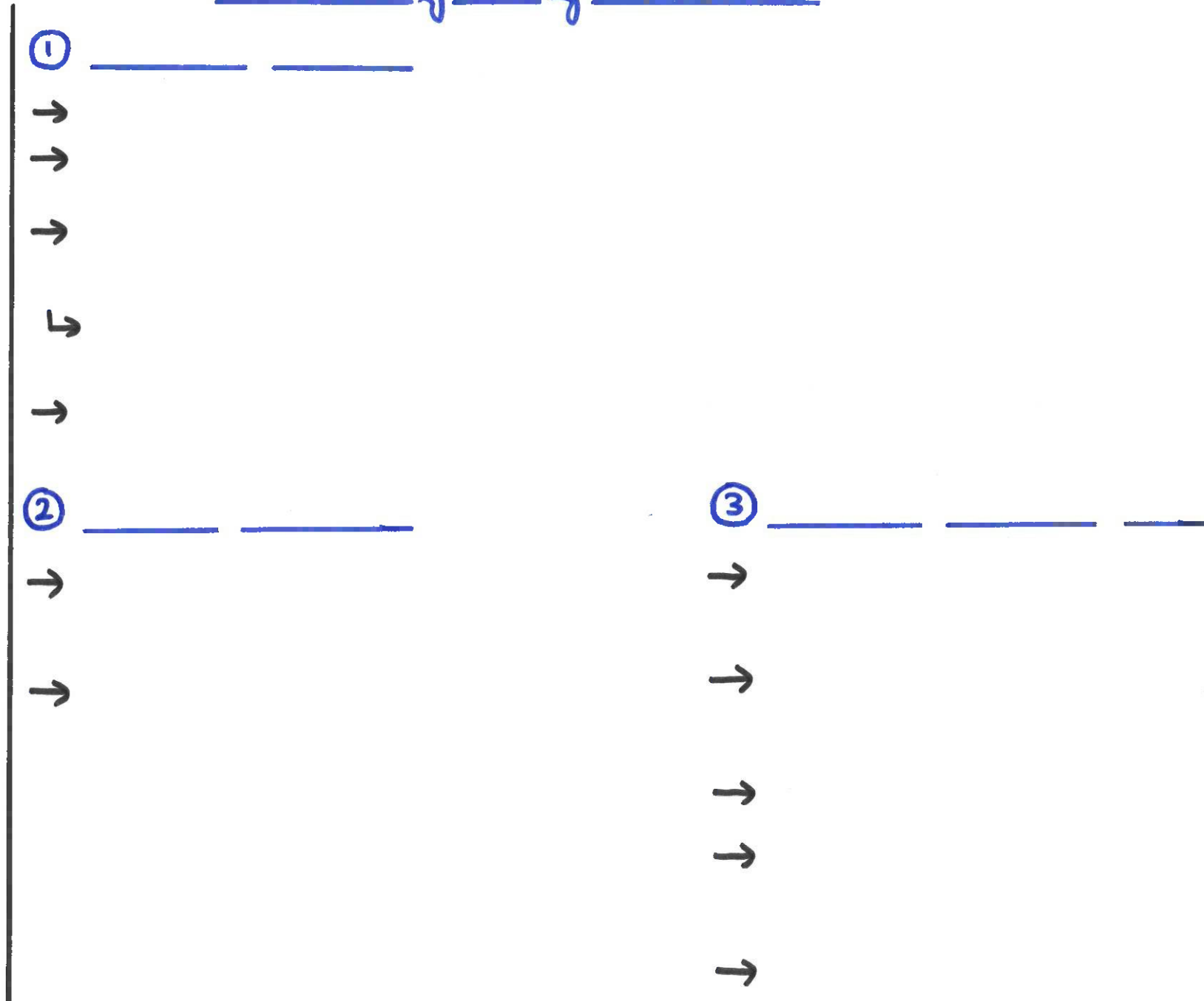




Isolating Target Genes

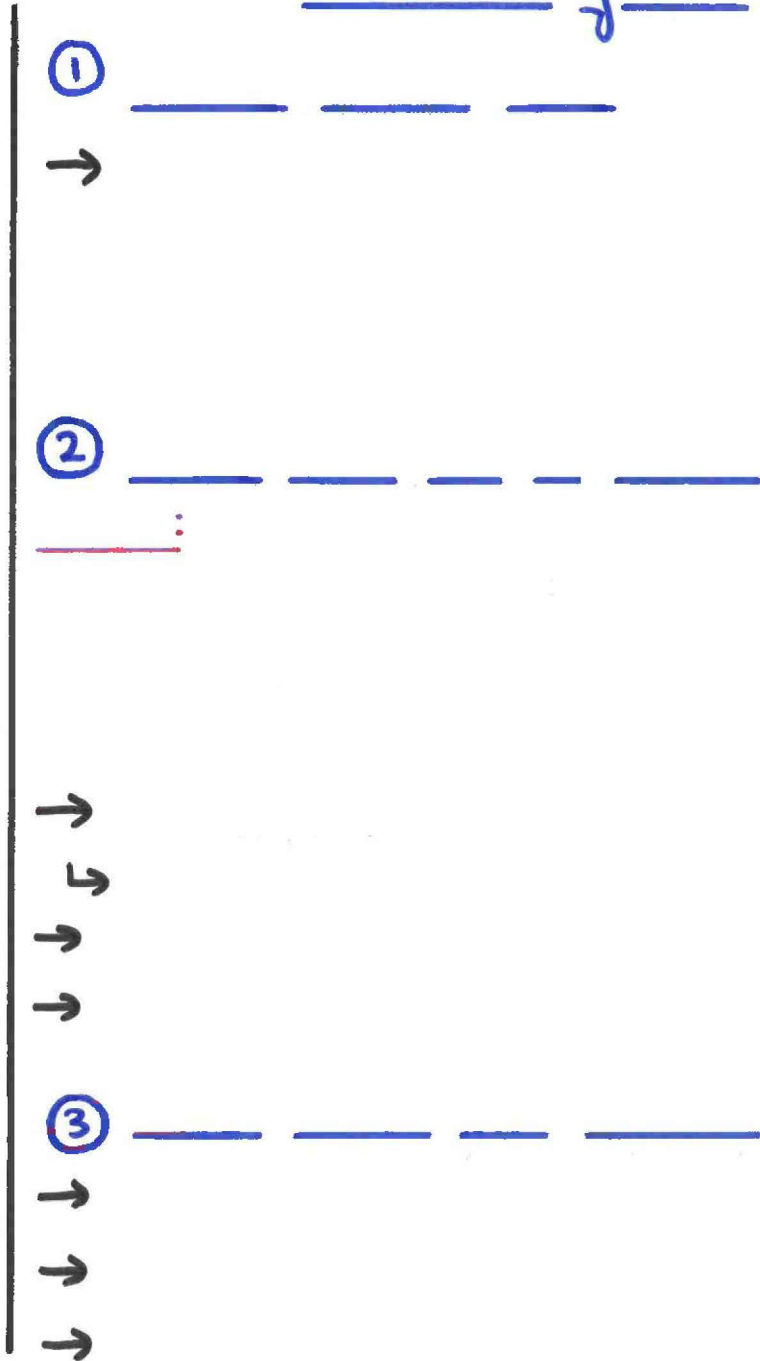
- 1
- 2
- 3
- 4
- 5





Inserting Target Genes

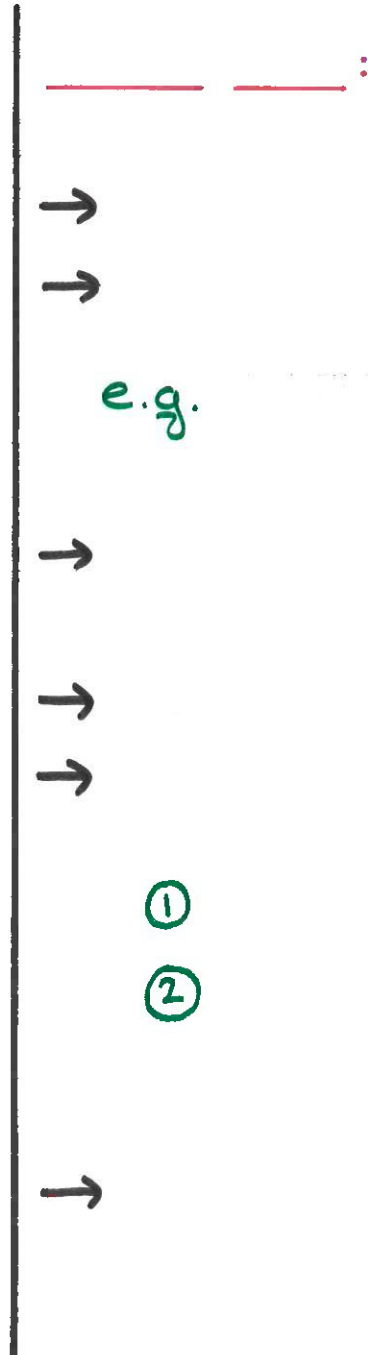
- 1
- 2
- 3
- 4
- 5





Marker Genes

Marker Genes





Polymerase Chain Reaction (PCR)

- 1
- 2
- 3
- 4
- 5



Ingredients



Method

Reason

①



②



③

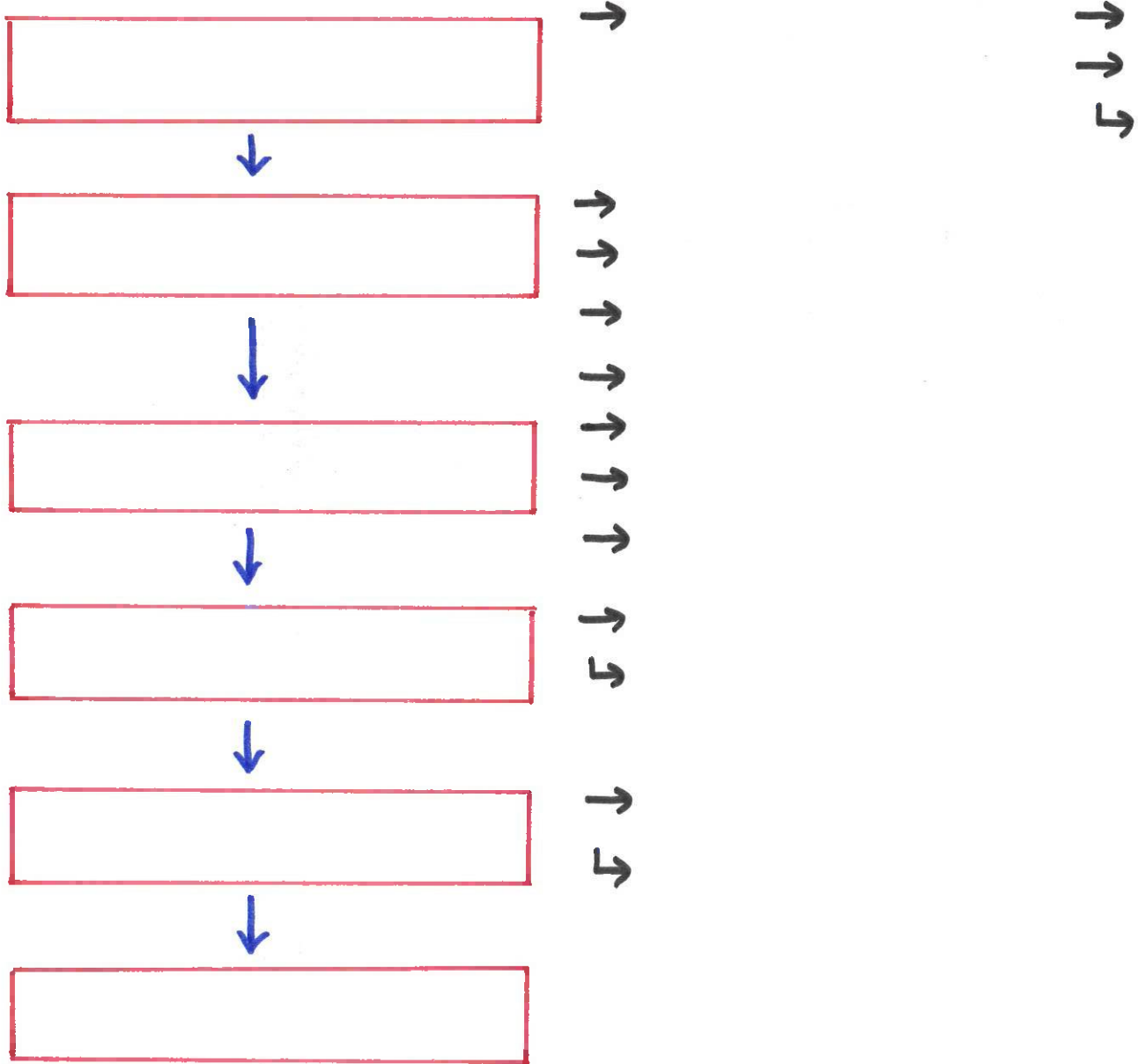


④





Summary of Gene Technology-





Gene Therapy

Gene Therapy

e.g.

e.g.

Germ Line Gene therapy

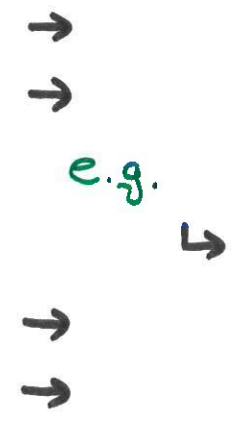


Somatic Gene Therapy



Types of Gene Therapy

Possible Problems





Genetically Modified (Transformed) Organisms 1 2 3 4 5

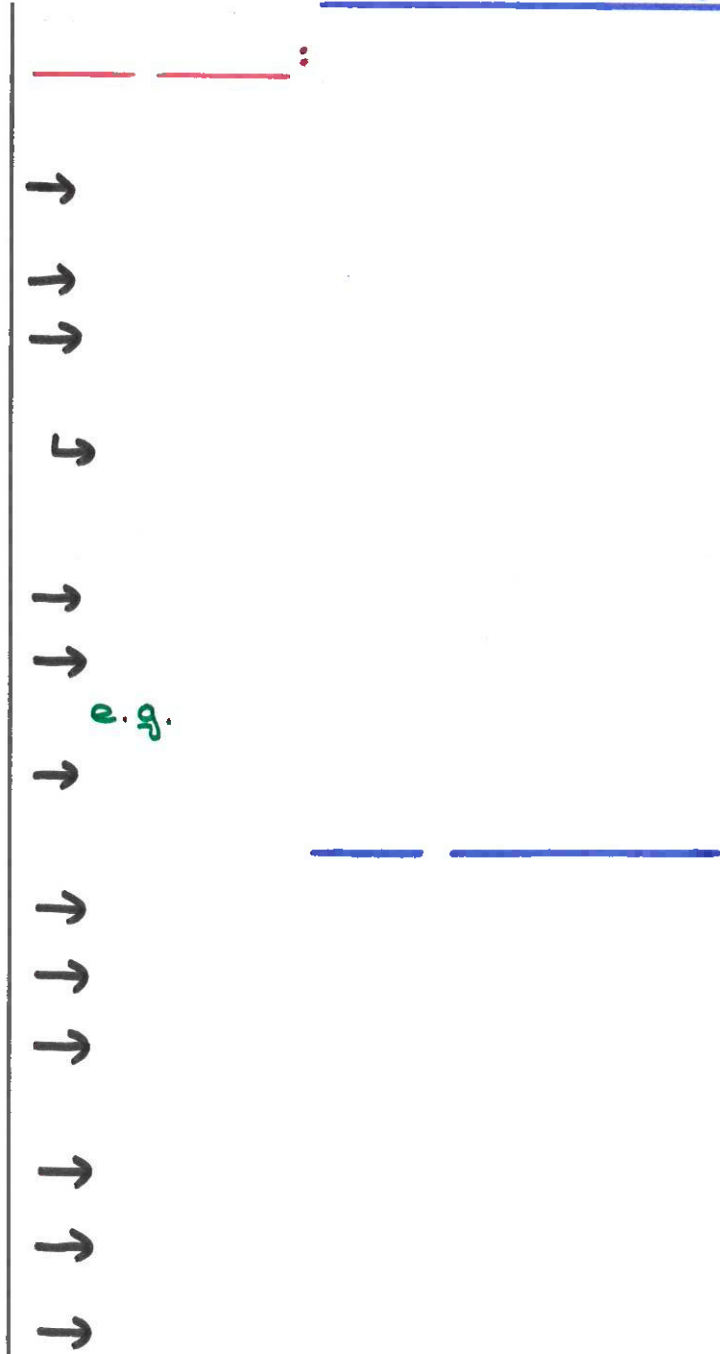
	Uses	Advantages	Disadvantages
Agriculture e.g.			
Industry & Research			
Medicine 'Pharming' e.g.			



DNA Probes

- 1
- 2
- 3
- 4
- 5

DNA Probe





Uses of DNA Probes

Genetic Counselling-

-
-
-
-
-
-
-

مثال

Genetic Screening

-
-
- e.g.

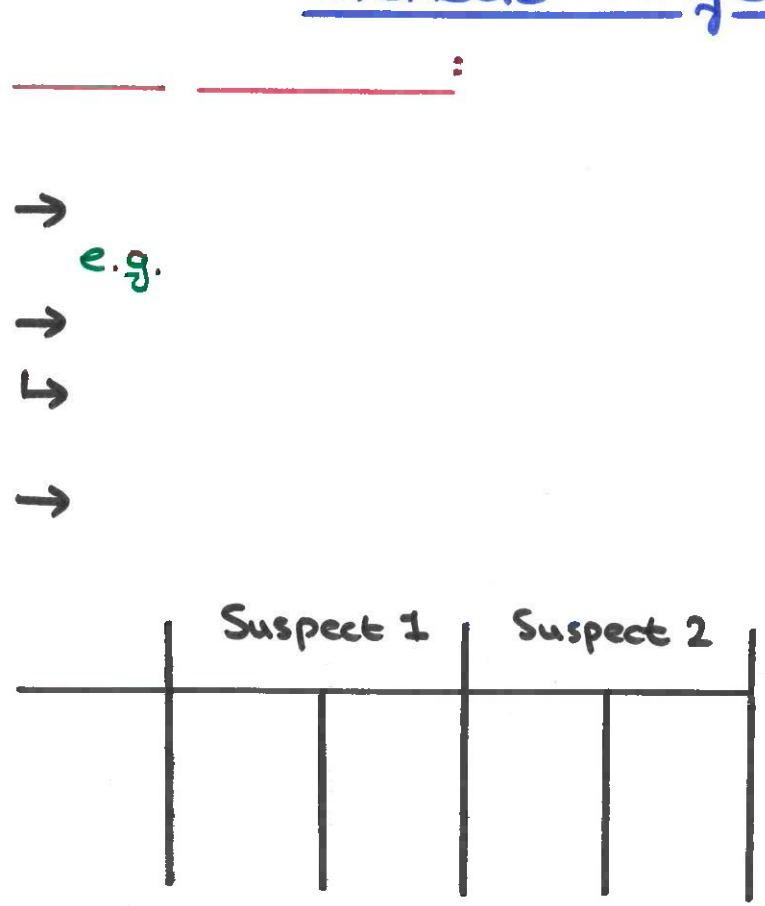
Personalised Medicine

-
-
-



Genetic Fingerprinting

Genetic Fingerprinting



Relatedness

Forensic Use

Medical Diagnosis

