

A. State the meaning of the following terms.

1. Positive tropism: response of plants _____ the stimulus.
2. Negative tropism: response of plants _____ from the stimulus.

B. Match the following tropisms to the corresponding description

1. Phototropism	Response of plants towards light 
2. Geotropism	Response of plants towards water 
3. Hydrotropism	Response of plants towards gravitational force 
4. Thigmotropism	Response that is not influenced by the direction of stimulus 
5. Nastic response	Response of plants touch 

C. Complete the following explanation with the correct words.

touch	gravity	light	away from
support	roots	water source	shoots

	Plant responses	Explanation
a)	Positive geotropism	The _____ grow in response to _____
b)	Negative geotropism	The _____ grow _____ gravity
c)	Phototropism	The shoots grow towards the _____
d)	Positive hydrotropism	The roots grow towards the _____
e)	Thigmotropism	Growth of plants in response to touch with solid objects for _____
f)	Nastic movement	Response of certain parts of plants to _____

D. Name the following nastic responses to the corresponding description.

a) Response towards heat :

b) Response towards light:

c) Response towards touch:

Photonicastic	Thermonastic	Seismonastic
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