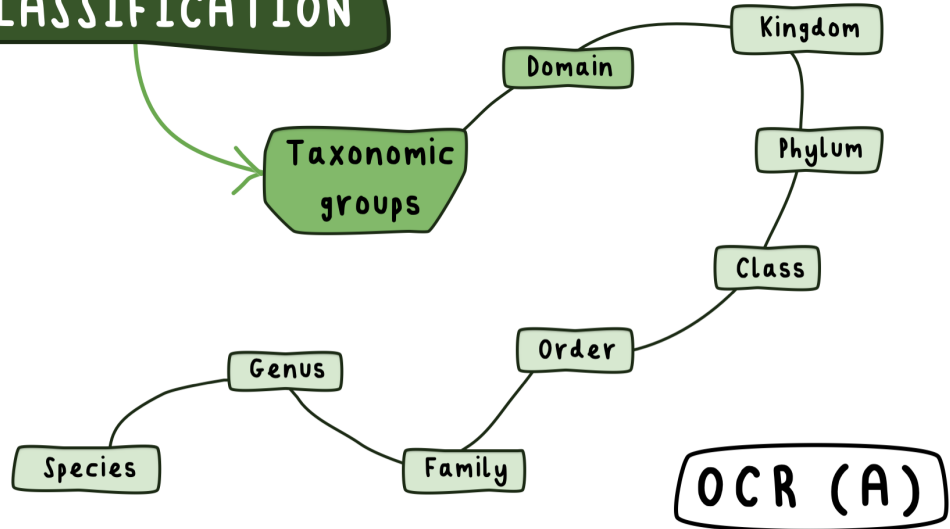
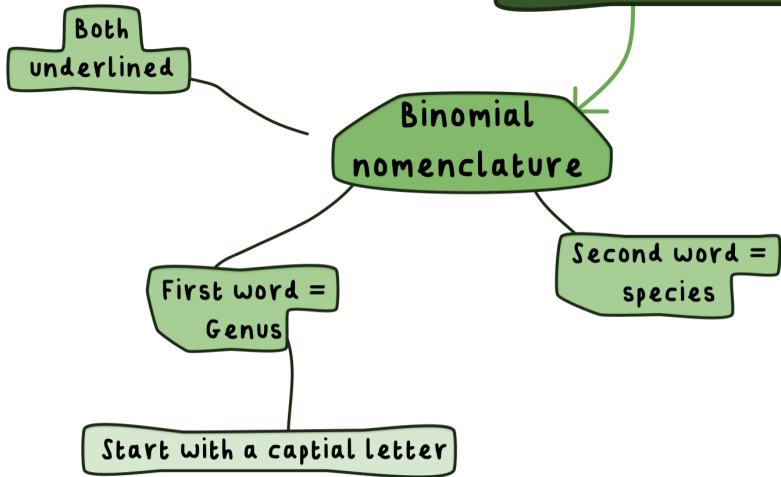
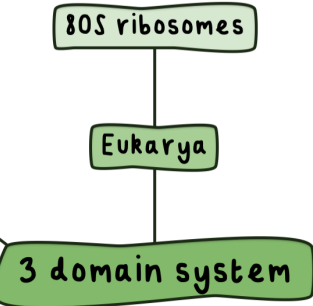


OCR (A)

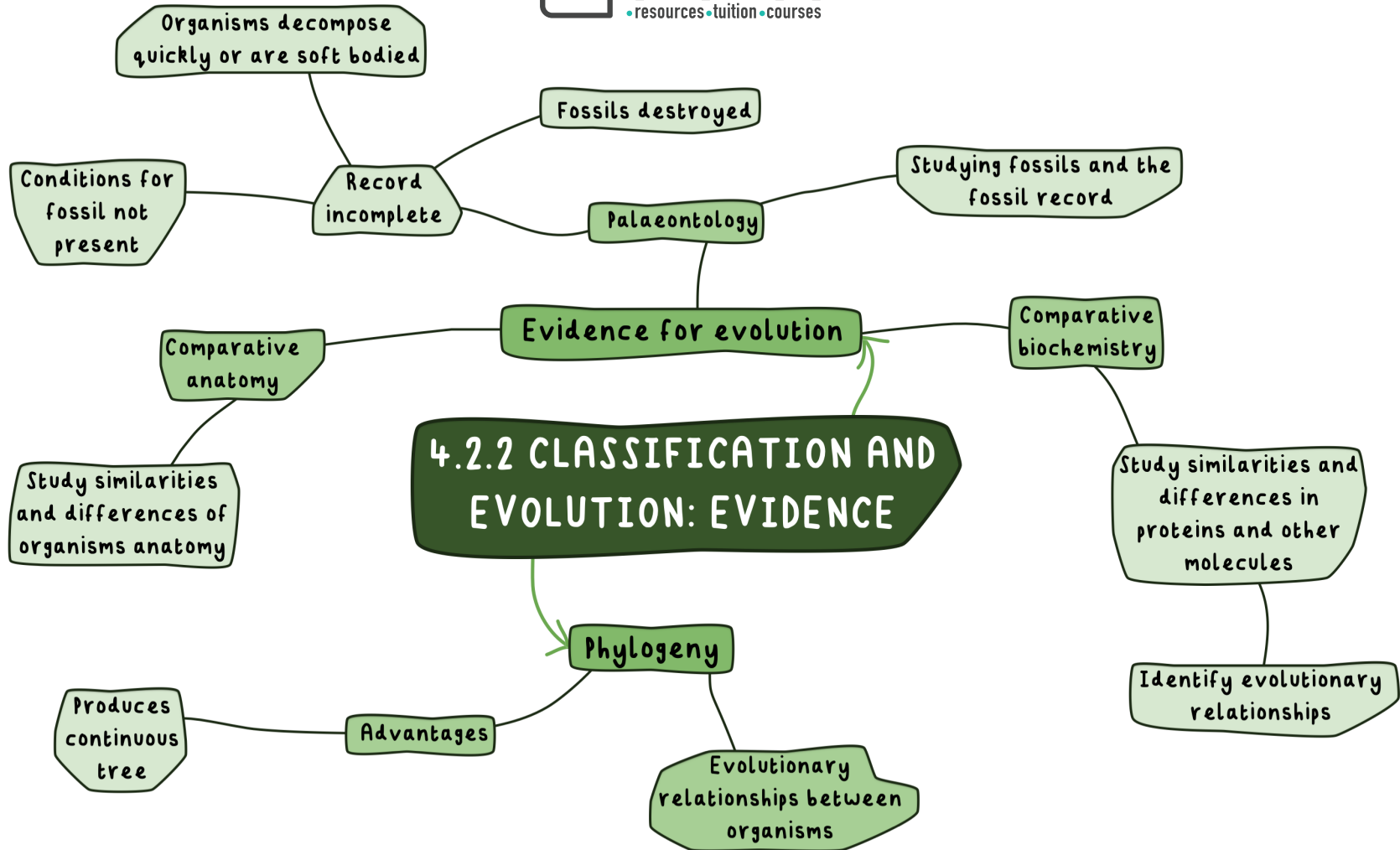


4.2.2 CLASSIFICATION AND EVOLUTION: CLASSIFICATION



OCR (A)

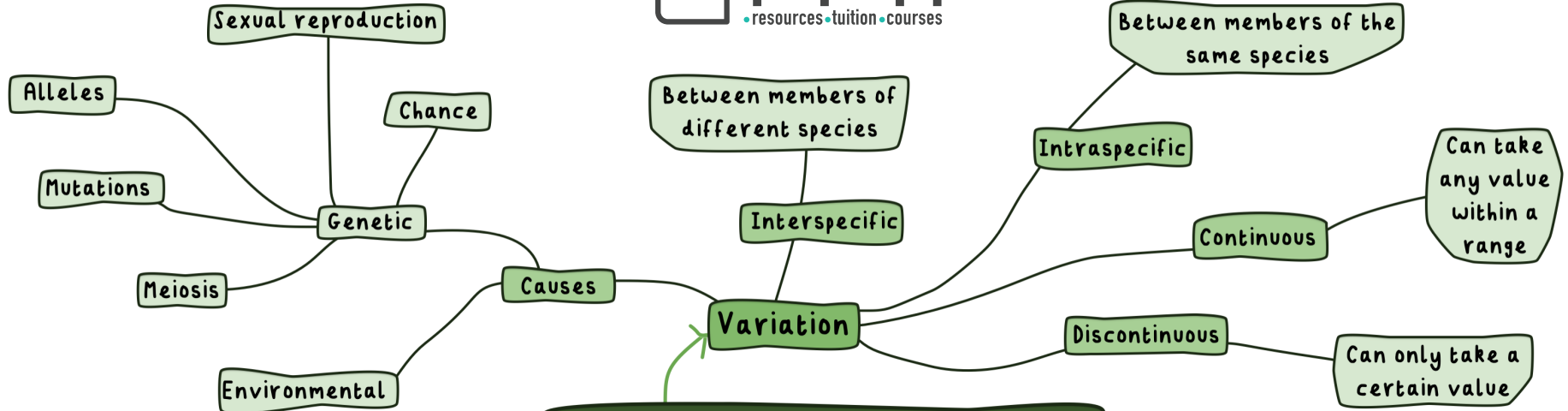




OCR (A)



4.2.2 CLASSIFICATION AND EVOLUTION: VARIATION AND STATISTICS



Student's T-test

Compare mean values of 2 data sets

$$t = (\bar{x}_1 - \bar{x}_2) / \sqrt{(\sigma_1^2/n_1) + (\sigma_2^2/n_2)}$$

Standard deviation

How spread out the data is

$$\sigma = \sqrt{(\sum(x - \bar{x})^2 / n - 1)}$$

Spearman's rank

Compare mean values of 2 data sets

$$r_s = 1 - 6 \sum d^2 / n(n^2 - 1)$$

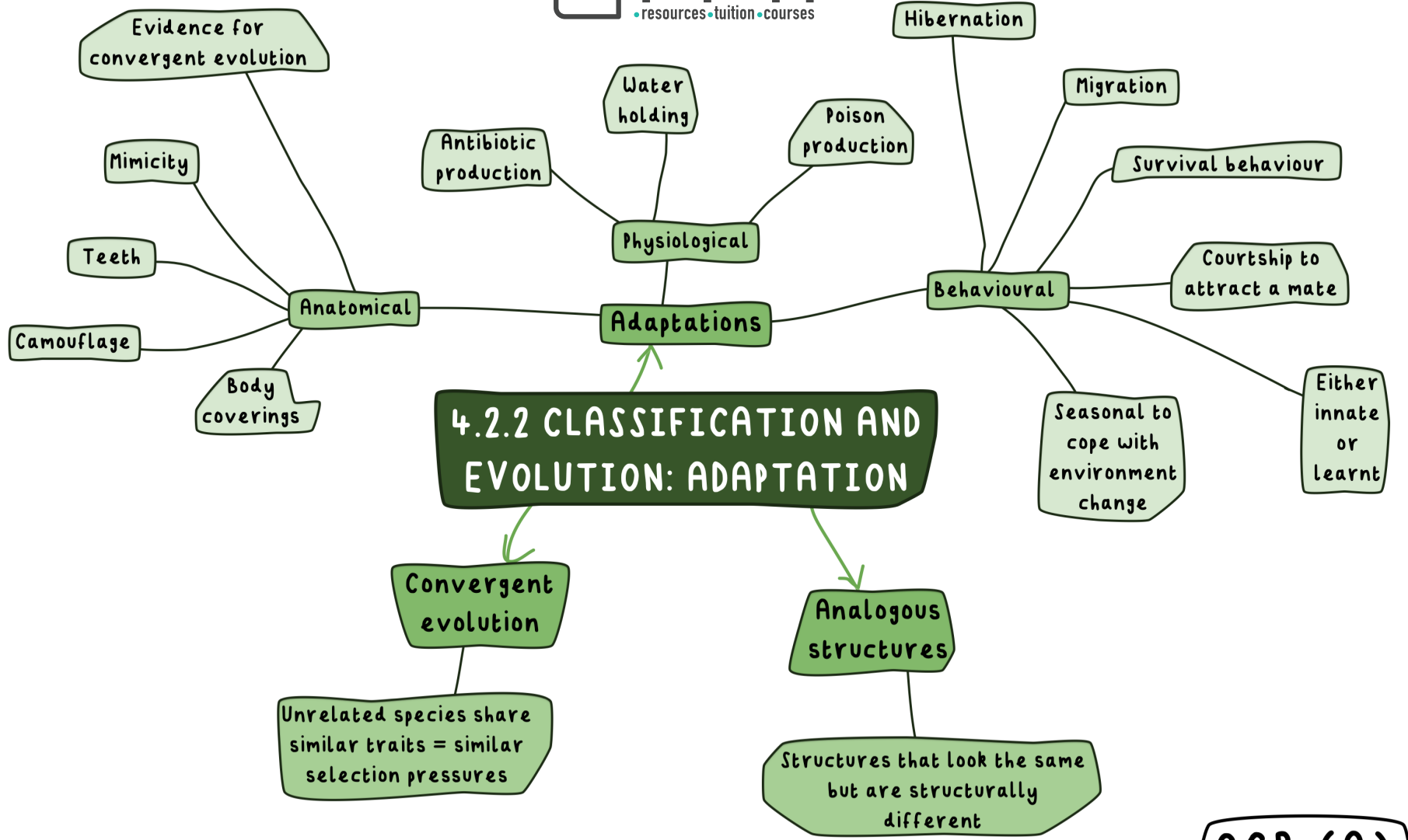
$r = -1 =$ perfect negative

$r = +1 =$ perfect positive

$r = 0 =$ no correlation

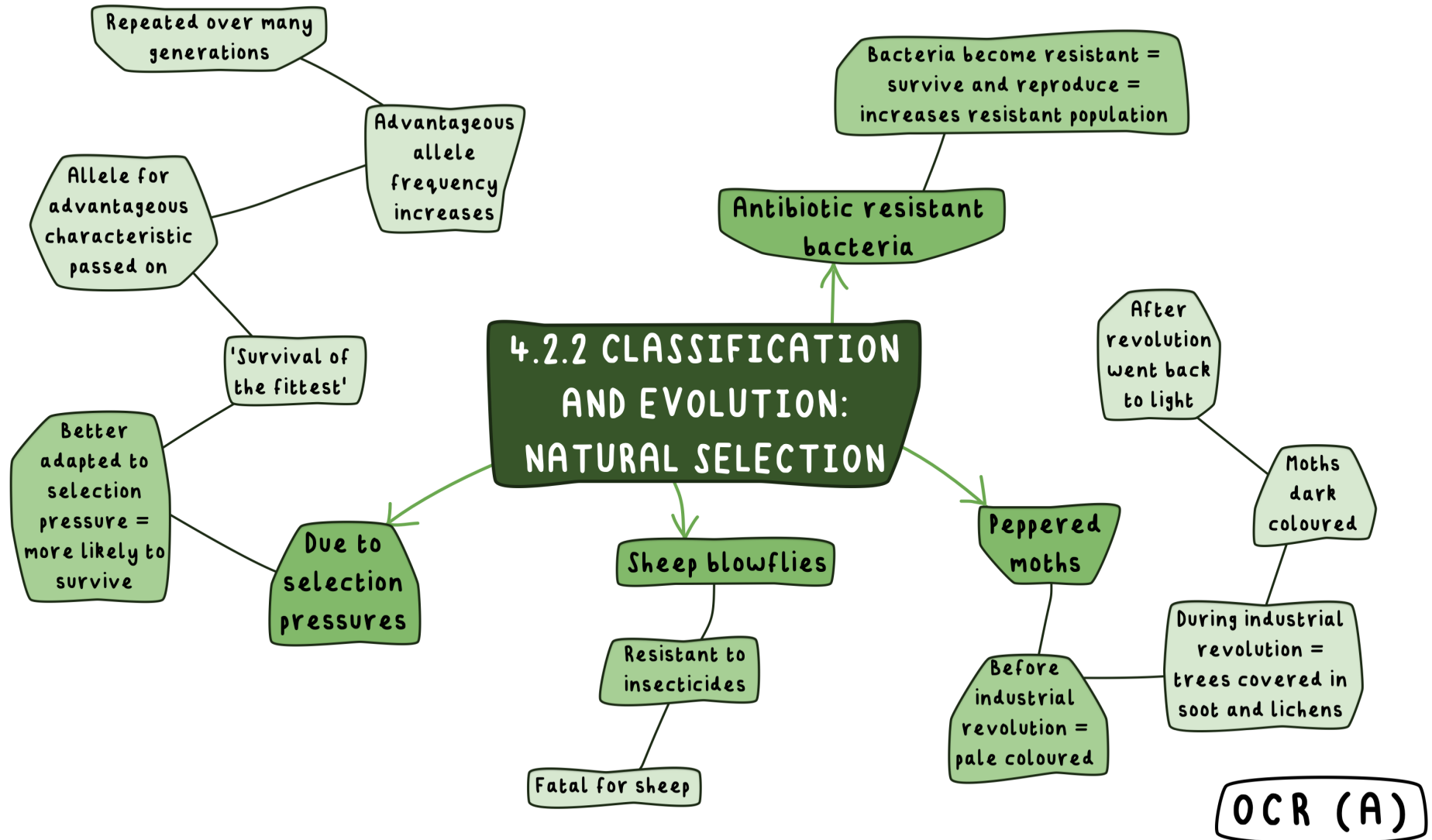
OCR (A)





OCR (A)





OCR (A)

