

Tekst 11

Running genes?

adapted from an article by Victoria Allen

- 1 EXERCISE does wonders for many but leaves others cold. Now scientists have found that genes can govern how pleasant or unpleasant we find going to the gym or going for a run or a bike ride.
- 2 Our make-up explains up to 37 per cent of the difference in how calming, energising or fun people find exercise. Dutch researchers indicate that genes control the reward centres of the brain, which flood us with 'happy hormones' during exercise, said the journal *Psychology of Sport and Exercise*.
- 3 The importance of genetics was calculated by asking 226 pairs of twins with different levels of unspecified shared genes to run or cycle.
- 4 Lead author Nienke Schutte, of VU University in Amsterdam, said: 'If genes affect the psychology of exercise, making us extroverts who get a boost from the gym or neurotics who worry about our muscles and joints, the one-size-fits-all approach to getting people exercising won't work.'
- 5 Yesterday the *Daily Mail* reported how nearly half of UK adults are so inactive, they fail to go for a brisk walk even once a month.



iol.co.za, 2017

Tekst 11 Running genes?

De alinea's 2 tot en met 4 van deze tekst kunnen elk met één van de volgende termen gekarakteriseerd worden:

- a beschrijving van de onderzoeksmethodiek
- b nieuwe inzichten op grond van de resultaten
- c oorspronkelijke aanleiding voor het onderzoek
- d resultaten van het onderzoek

- 2p 38 Geef voor de alinea's **2 tot en met 4** aan welke term erbij past. Zet de letter van de term achter het nummer van de alinea waar deze bij past op het antwoordblad.
Let op: er blijft één term over.