

# Clothes with nanotube ink

FED up with your MP3 player running out of juice? Maybe your shirt could help. A newly developed carbon-nanotube-based ink that can soak into fabrics could turn clothing into wearable batteries.

Yi Cui and colleagues at Stanford University in California created the ink, made with single-walled carbon nanotubes. The team dyed porous fabrics with the ink to create a conductive textile with very low resistance. The fabric maintained performance after repeated washes, suggesting that the ink is durable.

Cui says it's possible to treat the dyed material with an electrolyte to create a fabric capacitor capable of storing and releasing electrical charge. That, he says, means the technique could be harnessed 1.

*New Scientist, 2009*

## Tekst 1 Clothes with nanotube ink

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- 1p 1 Which of the following fits the gap at the end of text 1?
- A to boost the sale of MP3 players
  - B to create a whole new line in fashion
  - C to make saving energy more attractive
  - D to power wearable devices

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### Bronvermelding

*Een opsomming van de in dit examen gebruikte bronnen, zoals teksten en afbeeldingen, is te vinden in het bij dit examen behorende correctievoorschrift, dat na afloop van het examen wordt gepubliceerd.*