

# ASTEROIDS PT2



'Potentially Hazardous Asteroids' are rocks close 1) \_\_\_\_\_ to pass 2) \_\_\_\_\_ 7.5 million kilometres of Earth's orbit. NASA 3) \_\_\_\_\_ created a map of 1.400 PHAs, none of 4) \_\_\_\_\_ are expected 5) \_\_\_\_\_ a threat in the next one hundred years. With technology 6) \_\_\_\_\_ available, NASA can track 7) \_\_\_\_\_ objects and make predictions 8) \_\_\_\_\_ possible impact, at which 9) \_\_\_\_\_ two defence solutions 10) \_\_\_\_\_ be launched.

The 11) \_\_\_\_\_ is DART – the Double Asteroid Redirection Test. Plans 12) \_\_\_\_\_ scheduled to test DART 13) \_\_\_\_\_ the moon of 14) \_\_\_\_\_ asteroid called Didymos. 'Didymoon' is 150 metres 15) \_\_\_\_\_, orbiting its 800-metre mother, and 16) \_\_\_\_\_ the impact of DART will knock it 17) \_\_\_\_\_ its orbit enough for Earth-based telescopes to pick 18) \_\_\_\_\_.

19) \_\_\_\_\_ suggested defence against a PHA 20) \_\_\_\_\_ course to hit Earth is to 21) \_\_\_\_\_ it up using a nuclear weapon. It may 22) \_\_\_\_\_ a plot from a film, and it was the 23) \_\_\_\_\_ of the 1998 film Armageddon, but the Hypervelocity Asteroid Mitigation Mission for Emergency Response (HAMMER) is a genuine NASA 24) \_\_\_\_\_. The eight-ton rockets would be fired 25) \_\_\_\_\_ an approaching asteroid in 26) \_\_\_\_\_ of bumping it off course. 27) \_\_\_\_\_ the asteroid was 28) \_\_\_\_\_ close to Earth for this plan 29) \_\_\_\_\_, the rockets 30) \_\_\_\_\_ carry nuclear bombs to blow it up 31) \_\_\_\_\_.

