



### **BSW Plastics and Science Quiz 2016**

So how plastic is your knowledge. Can you mould your brain around these teasers? Are you flexible enough to get the answers? There are 10 fantastic plastic questions. You can answer in small groups (there can be more than one group per class) or as a class team.

Remember your competing against the rest of the country...Can you stretch yourself? **And there are prizes on offer**, so what are you waiting for!

To be eligible for the prizes we need a postcode, the adult name in charge of the group or class and a school or individual adult email address so we can contact the prize winners. We would also like to know the number of individuals in the team. All answers must be submitted online via Survey Monkey. The closure date is the 14 April 2016. Winners will be informed one week later. The judge's decision is final.

This quiz has been kindly supported by the Worshipful Company of Horners.

Good Luck!

To access the online survey please go to:

<https://www.surveymonkey.co.uk/r/H2LQFV5>

#### **Questions:**

1. Which of the following does not contain plastic?

- A. P.E. kit
- B. Car
- C. Mobile phone
- D. Drinks can
- E. None of the above

2. Which of the following can be used to make plastic?
  - A. Oil
  - B. Sugar
  - C. Steel spanner
  - D. Drinks bottles
3. How long does it take for a shopping bag to degrade?
  - A. 1 day
  - B. 6 months
  - C. 10 to 100 years
  - D. 2 years
4. Plastics can be:
  - A. Stretchy
  - B. Hard
  - C. Translucent
  - D. Opaque
  - E. All of these answers
5. Roughly how much of the oil that is produced is used for making plastics? Is it:
  - A. Less than 10%
  - B. 10 to 50%
  - C. More than 50%

6. Plastics are widely used in cars. Roughly how many plastic parts are found in the average car? Is it:
  - A. 500
  - B. 1,000
  - C. 2,000
7. Why is the handle on a saucepan often made of plastic?
8. What plastic object do you now need to buy in shops that used to be free?
9. When old plastics are made into something new, what do we call it?
10. Pick your favourite use of plastics and tell us why you like it (up to 30 words).