

TABLE QUESTIONS

Use the following information to answer Questions 8 and 9.

Phan and Erika carried out an experiment using a remote-controlled car travelling in a straight line. The table shows the students' experimental results.

<i>Time</i> (seconds)	<i>Total distance travelled</i> (metres)
0	0
10	10
20	15
30	20
40	25
50	25

- 8 Which of the following is the best piece of equipment to measure distance in this experiment?
- (A) Stopwatch
 - (B) 30 cm ruler
 - (C) Metre ruler
 - (D) 50 m tape measure
- 9 Phan and Erika used their results to calculate the speed of the car. What units should they use for speed?
- (A) Metres
 - (B) Metres per second
 - (C) Seconds
 - (D) Square metres

TABLE QUESTIONS

Use the table to answer Questions 14 and 15.

The table shows data about various cancers in Australia in 1983 and 1997.

<i>Type of cancer</i>	<i>New cases</i>		<i>Related deaths</i>	
	<i>1983</i>	<i>1997</i>	<i>1983</i>	<i>1997</i>
Melanoma	3 779	8 378	627	913
Colon	7 201	11 240	2 788	3 542
Breast	5 389	10 181	2 033	2 602
Lung	6 090	7 833	5 405	6 663
Leukaemia	1 476	2 026	959	1 216
Prostate	3 714	9 737	1 394	2 448
Gynaecological	2 982	3 638	1 197	1 314

- 14 Which type of cancer had most *Related deaths* in 1997?
- (A) Breast
 - (B) Gynaecological
 - (C) Lung
 - (D) Prostate
- 15 Comparing 1983 to 1997, which type of cancer had the greatest increase in *New cases*?
- (A) Breast
 - (B) Colon
 - (C) Lung
 - (D) Prostate

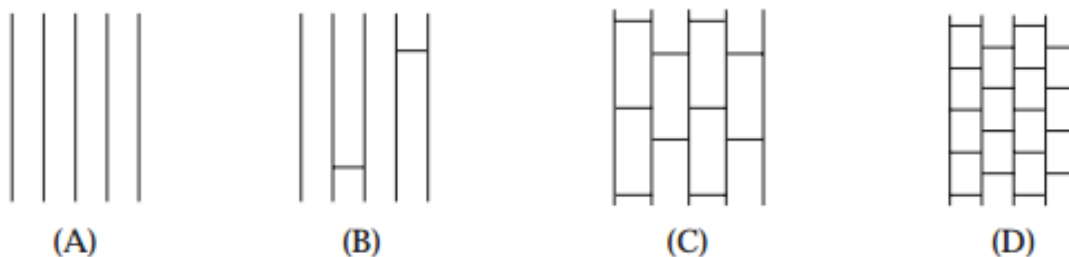
TABLE QUESTIONS

Use this information to answer Questions 28–30.

The table shows some properties of three types of polymers.

<i>Polymer</i>	<i>Properties</i>
Thermoplastic	<ul style="list-style-type: none"> softens when heated small amounts of linking between strands of polymer permanently changes shape when stretched
Elastomer	<ul style="list-style-type: none"> returns quickly to original shape after stretching moderate amounts of linking between strands of polymer
Thermosetting	<ul style="list-style-type: none"> large amounts of linking between strands of polymer does not soften when heated

28 Which diagram best represents the structure of a thermoplastic polymer?



29 Four polymer samples were tested in a laboratory. Which sample is made from an elastomer?








	<i>Placed in hot water</i>	<i>After stretching</i>
(A)	no change	broken
(B)	bends	becomes longer
(C)	no change	becomes longer
(D)	no change	no change

30 What would be a suitable use for thermosetting polymers?

- (A) Garden hose
- (B) Mouthguard
- (C) Saucepan handle
- (D) Shrink-wrap packaging

TABLE QUESTIONS

Construct a table to represent the following information: *What information might you leave out?*

BADGERYS CREEK 7-DAY WEATHER FORECAST							
	Fri Oct 2	Sat Oct 3	Sun Oct 4	Mon Oct 5	Tue Oct 6	Wed Oct 7	Thu Oct 8
Summary	 Mostly sunny	 Sunny	 Mostly sunny	 Mostly sunny	 Mostly sunny	 Late shower	 Possible shower
Maximum	25°C	31°C	34°C	34°C	34°C	34°C	23°C
Minimum	12°C	10°C	14°C	14°C	15°C	15°C	13°C

Construct a table to represent the following information:

Belinda's height in kindergarten was 120 cm. In year 10 she was 165 cm tall. Ben grew from 100 cm to 170 cm over the same time. Joe was 180 cm in year 10 but started out at 115 cm.