



1 hour 30 minutes



Fig. 1.1 for Question 1

Traditional weather station

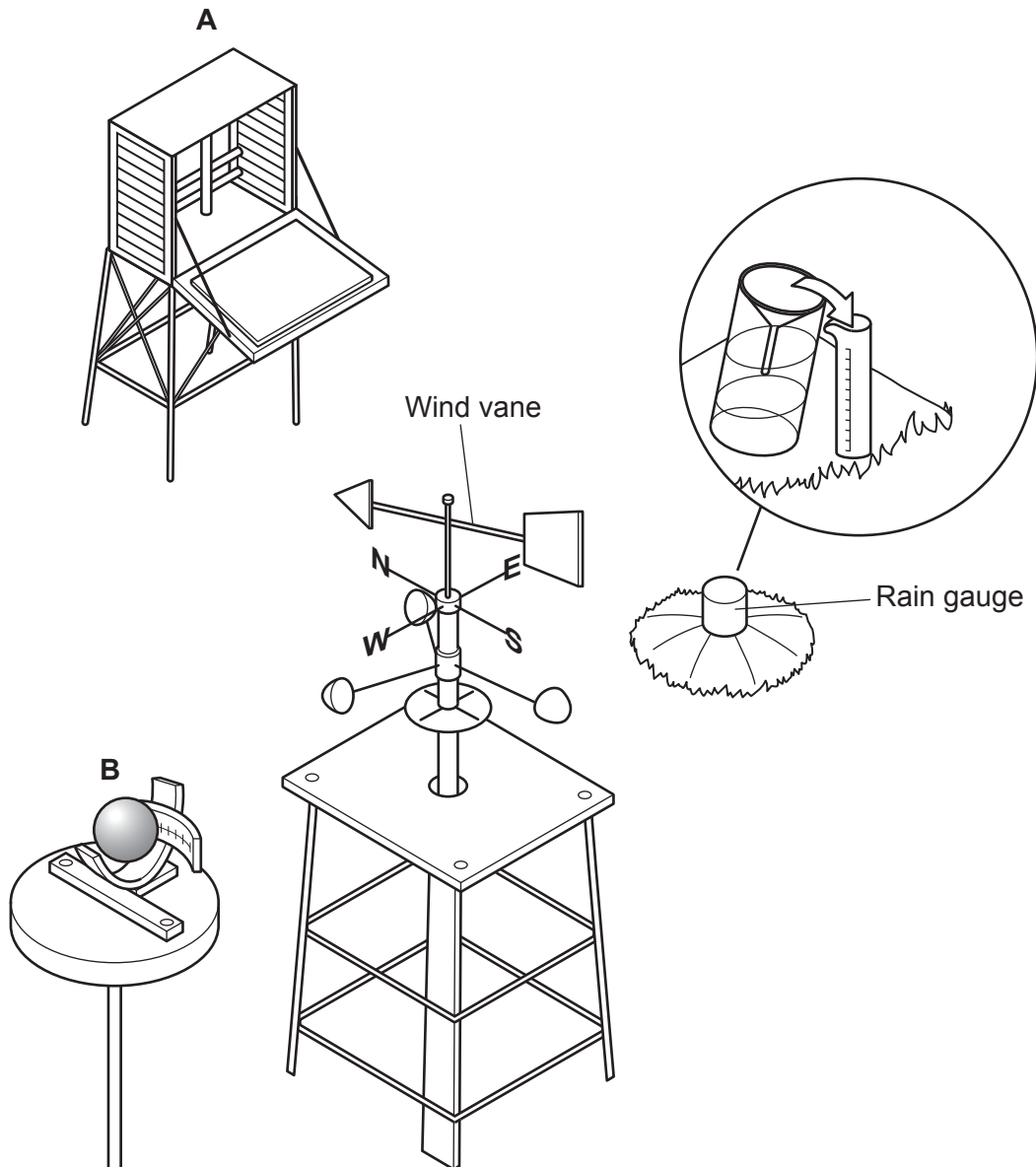


Table 1.1 for Question 1

Results of students' measurements

	Time	Computer (C) or student (S) measured	Atmospheric pressure (mb)	Rainfall during last three hours (mm)	Direction wind comes from
Day 1	01:00	C	1011	0	N
	04:00	C	1010	0	NNW
	07:00	C	1009	0.3	N
	10:00	S	1008	0.1	N
	13:00	S	1008	0	ENE
	16:00	S	1006	0.9	NE
	19:00	S	1003	1.8	NNE
	22:00	C	1002	1.9	NNE
Day 2	01:00	C	1002	1.7	NE
	04:00	C	1000	1.8	NE
	07:00	C	999	1.8	ENE
	10:00	S	997	5.6	ENE
	13:00	S	995	5.9	NNE
	16:00	S	996	4.0	NNE
	19:00	S	997	7.5	NNE
	22:00	C	1000	0.2	N
Day 3	01:00	C	1002	0.3	NNW
	04:00	C	1005	0.9	NNW
	07:00	C	1006	0.6	N
	10:00	S	1008	0	NNW
	13:00	S	1010	0	WNW
	16:00	S	1011	0	WNW
	19:00	S	1013	0	NW
	22:00	C	1014	0	NW

Fig. 1.4 for Question 1

Three types of cloud

Type A



Type B



Type C

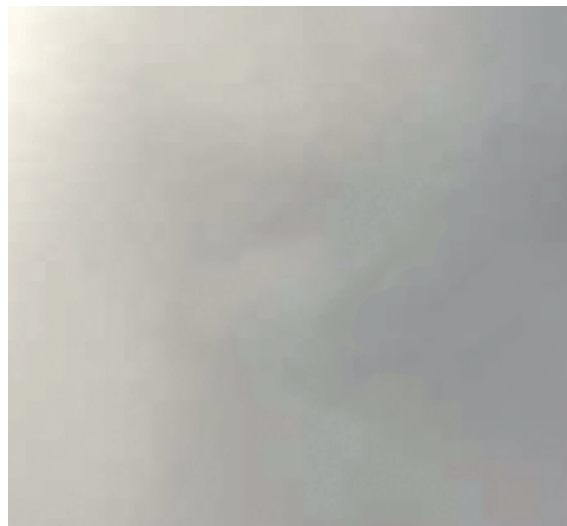


Fig. 2.1 for Question 2**Categories of land use**

Land use category	Example of land use
Residential	terraced house, detached house, bungalow
Industrial	manufacturing, mining, assembly factory
Commercial (shops)	food, take-away, furniture, market, specialist goods
Entertainment	hotel, sports centre, theatre, cinema
Public buildings	college, hospital, place of worship, police station
Open space	farmland, park, unused land, sports field
Transport	bus station, car park, railway station
Services (offices)	financial, business, dentist, doctor, estate agent

Fig. 2.2 for Question 2

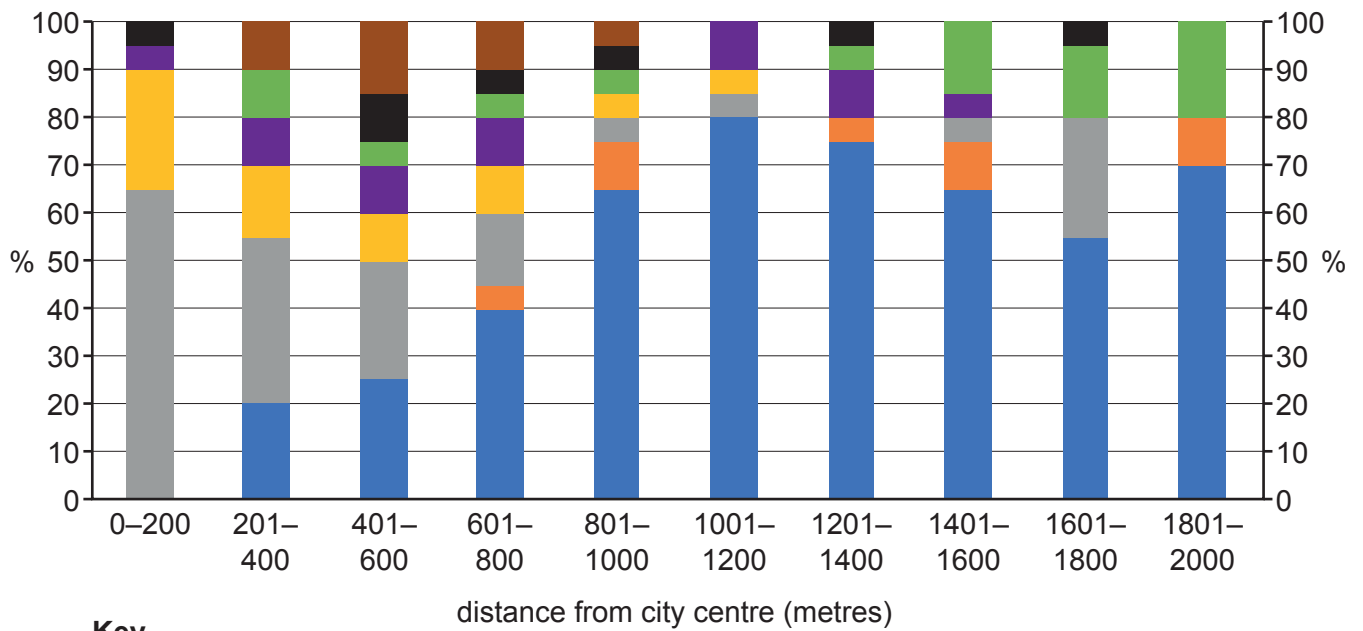
Students' recording sheet

Distance from city centre (m)	210	220	230	240	250	260	270	280	290	300
Land use	hotel		terraced houses		clothes store	take-away	drug store (chemist)	café	semi-detached houses	
Category	entertainment	entertainment	residential	residential	commercial	commercial	commercial	entertainment	residential	residential

Distance from city centre (m)	310	320	330	340	350	360	370	380	390	400
Land use	park		greengrocer (fruit and vegetable shop)	hardware shop	supermarket		accountant	solicitor	fire and ambulance station	
Category	open space	open space	commercial	commercial	commercial	commercial	services	services	public	public

Fig. 2.4 for Question 2

Land use percentages along all six transects

**Key**

Land use

- residential
- industrial
- commercial (shops)
- entertainment
- public buildings
- open space
- transport
- services (offices)

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