UNIT 3. Cities of the future
TEST 1

I. Find the word which has a different sound in the part underlined.

1. A. r<u>u</u>le	B. nat<u>u</u>re	C. poll<u>u</u>te	D. incl<u>u</u>de
2. A. gr<u>ee</u>n	B. f<u>ee</u>l	C. fr<u>ee</u>	D. ch<u>ee</u>r
3. A. l<u>oo</u>k	B. g<u>oo</u>d	C. sm<u>oo</u>th	D. b<u>oo</u>king
4. A. <u>c</u>ity	B. <u>c</u>amera	C. <u>c</u>arbon	D. <u>c</u>ommon
5. A. robot<u>s</u>	B. area<u>s</u>	C. jam<u>s</u>	D. question<u>s</u>

II. Choose the correct words to complete the sentences.

1. Buses are a popular means of public _____ today.
   A. place B. vehicle C. shelter D. transport
2. He lives in the city. He is a city _____.
   A. dweller B. builder C. centre D. theatre
3. High-rise buildings will help solve the _____ problems in big cities.
   A. money B. housing C. traffic jam D. information
4. There is a _____ garden on the top of the building.
   A. roof B. yard C. ground D. basement
5. Their restaurant is at the top of one of the big downtown _____.
   A. centres B. vehicles C. skyscrapers D. appliances
6. Industry has a huge impact on the _____ we live in.
   A. transport B. inhabitant C. environment D. infrastructure
7. A _____ is a long line of vehicles on a road that cannot move or can only move very slowly.
   A. appliance B. urban C. citizen D. traffic jam
8. The city of the future should have the _____ and transportation which link the needs of citizens of all generations.
   A. quality B. operation C. infrastructure D. capacity
9. I think one _____ to reduce traffic jams in cities is to ban private cars from traveling during rush hour.
   A. problem B. solution C. answer D. situation
10. Factors such as recycling, renewable _____, and air quality make green cities great.
   A. energy B. waste C. electricity D. technology

III. Supply the correct form of the words in brackets to complete the sentences.

1. There are many modes of _____ in a big city. (transportable)
2. Cities around the world have begun to preserve or extend their green _____. (spacious)
3. I think the cities of the future also need to consider the _____ of open space. (available)
4. He said that a smart city would provide a better quality of _____ service and citizen welfare _____. (govern)
5. The information will be collected through the _____. (detect)
6. Cities need to make full use of land in order to achieve urban _____. (sustain)
7. The industry was accused of having _____ little in workers, plant or infrastructure. (investing)
8. _____ will be equipped with comprehensive water management systems, allow them to collect rainwater, monitor water use, and efficiently recycle dirty water. (build)
9. Consumers and power sources will _____ in real time through fiber optic smart grids. (communication)
10. AI technologies, such as cameras and smart sensors will be installed to help the city operate more _____. (efficient)

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IV. Complete the sentences with the present simple or present continuous form of the verbs in brackets.

1. I (go) _____ to the concert tonight.
2. This menu (seem) _____ really healthy.
3. I must stay in because I (expect) _____ a parcel.
4. His voice (sound) _____ amazing.
5. He (feel) _____ the jumper to see if it's soft.
6. Water (be) _____ essential for all living things.
7. The chicken burger (taste) _____ amazing. My kids love it.
8. This dish's presentation (look) _____ very appealing to me.
9. He always (get) _____mad when he is with his naughty son.
10. Mai and Linda (become) _____ more and more friendly after a year of studying together.

V. Read the passage and choose A, B, C, or D to indicate the word or phrase that best fits each of the numbered blanks.

Sustainability is key in the (1) _____ of any smart city, and it's related to other challenges:

Waste management: Smart cities need to face different problems related to (2) _____ management, such as overfilled trash bins, unoptimized truck routes, or the need to (3) _____ mixed materials for recycling. Smart waste management can help solve these kinds of issues. Sensors attached (4) _____ trash bins can measure fill level, send an automatic alert if it reaches the limit, and optimize trucks' collection routes.

Energy: "The city of the (5) _____ will definitely be energy-efficient. It might even produce energy instead of consuming it. The main challenge is convincing companies and to (6) _____ more in this area," said Daniyar Tanatov's, Partner Account Manager at Spaceti. Cities can produce more (7) _____ than they consume by using turbines, solar panels or even solar walls - buildings with solar panels incorporated into their facade.

Working hours: Unexpected, maybe? Current working hours vastly exceed what we could consider (8) _____, concluded research conducted by the think tank Autonomy. Fewer working hours would mean (9) _____ commuting, fewer products manufactured, and fewer resources used. (10) _____ such as Artificial Intelligence could help make the future of work sustainable.

1. A. develop	B. develops	C. developed	D. development
2. A. waste	B. time	C. money	D. human
3. A. separation	B. separating	C. separate	D. separated
4. A. on	B. in	C. to	D. with
5. A. past	B. future	C. present	D. today
6. A. invest	B. share	C. recycle	D. produce
7. A. water	B. energy	C. products	D. electricity
8. A. sustain	B. sustaining	C. sustainable	D. sustainably
9. A. less	B. fewer	C. more	D. much more
10. A. Companies	B. Governments	C. Resources	D. Technologies

VI. Match the questions with the correct responses.

Questions	Responses
1. What's life in cities in the future like?	A. Yes, we should.
2. Do you think Seoul is the most livable city in 2050?	B. I'm really sure about it.
3. What should we do to reduce traffic jams in our city?	C. We try to use wind and sun energy more.

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4. How can we make our city green?	D. We should promote self-driving cars and public transport.
5. Should we install the smart lighting system to save energy?	E. We can enjoy the highest quality of life.
6. What will working hours in the future be?	F. We can collect the garbage.
7. What can we do to protect the environment?	G. They are flexible with few hours.
8. Is this the Mona Lisa painting?	H. No doubt, you can see the name of the painter, Leonardo de Vinci, on it.

VII. Reorder the words and phrases to make meaningful sentences.

1. a / Building / infrastructure / good / important / is / for / country's economy / the /.

_____

_____

2. problem, / biggest / Traffic jams / are / the city's / during / rush hour / especially /.

_____

_____

3. should / Unworthy buildings / demolished / be / to / make / for / room / modern construction /.

_____

_____

4. one / cities / considered / Vancouver / is / to / be / of / the / the / most / world / livable / in /.

_____

_____

5. towards / The / the / city / is / renewable energy / being / powered / entirely / working / by / by / 2050 / year /.

_____

_____

6. costs / money, / Building / a / a lot of / smart city / so / they / call for / investment / have / to / from / abroad /.

_____

_____

7. in / Smart cities / the / future / fossil fuels / aim / to / will / make / completely / neutral /.

_____

_____

8. definitely / daily lives / Our / will / be / all kinds / filled / with / new / technologies / of /.

_____

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