
Morning Reading 晨读

Grade 10 · Week 11

Read each word aloud, then copy the English word three times. 朗读每个单词，然后把英语单词抄写三遍。

Reading 阅读

Read the passage aloud twice. 把短文朗读两遍。

Imagine you open a milk-tea shop. Some costs stay the same every month, such as the rent. These are **fixed costs**. Other costs rise when you sell more, such as milk and cups. These are **variable costs**. Add them together for the **total cost**. The money coming in from sales is your **revenue**. If a new shop opens across the street, that is **competition**, and you may have to lower your price.

Protect the shop's computer too. Use a strong **password**, and turn on **two-step verification**, so a thief needs your phone as well. A **firewall** checks the traffic between your computer and the internet. Some systems use **biometrics**, such as a fingerprint, to check who you are.

In the electricity lab, you measured **resistance** in **ohms**. A long thin wire resists the current more than a short thick one. A **variable resistor** lets you turn the current up and down, like a volume knob.

Talk about it 说一说:

1. List two fixed costs and two variable costs of a milk-tea shop.
2. Which is safer: one strong password, or two-step verification? Why?

Physics

Topic 4 · Electricity and magnetism

 **resistor** 电阻器

 **variable resistor** 可变电阻器

 **light-dependent resistor**
光敏电阻

 **light-emitting diode** 发
光二极管

 **diode** 二极管

 **filament lamp** 灯丝灯泡

 **kilowatt-hour** 千瓦时

 **appliance** 电器

 **heater** 加热器

 **cell** 电池

 **battery** 电池组

 **switch** 开关

 **trip switch** 跳闸开关

 **fuse** 保险丝

 **fuse rating** 额定值

 **thermistor** 热敏电阻

 **relay** 继电器

 **motor** 电动机

 **d.c. motor** 直流电动机

 **bell** 电铃

Chemistry

Topics 7-8 · Acids, bases and salts, The Periodic Table

 **filter** 过滤

 **evaporate** 蒸发

 **crystallise** 结晶

 **precipitation** 沉淀

💧 **water of crystallisation**
结晶水

⊠ **elements** 元素

田 **transition elements** 过渡元素

目 **periods** 周期

田 **groups** 族

💎 **alkali metals** 碱金属

💎 **lithium** 锂

💎 **sodium** 钠

💎 **potassium** 钾

🌀 **soft** 柔软

↗ **trends** 趋势

⚡ **reactivity** 活泼性

⚗ **halogens** 卤素

🔗 **diatomic** 双原子

⬡ **halide** 卤化物

↔ **displacement reaction** 置换反应

🎨 **coloured** 有色

⊠ **compounds** 化合物

Biology

Topics 11–14 · Gas exchange in humans, Respiration, Excretion in humans, Coordination and response

💧 **goblet cells** 杯状细胞

 protein synthesis 蛋白质合成			
 nerve impulses 神经冲动			
 aerobic respiration 有氧呼吸			
 anaerobic respiration 无氧呼吸			
 alcohol 酒精			
 lactic acid 乳酸			
 oxygen debt 氧债			
 kidneys 肾脏			
 urine 尿液			
 ureters 输尿管			
 bladder 膀胱			
 urethra 尿道			
 dialysis 透析			
 renal cortex 皮质			
 medulla 髓质			
 nephrons 肾单位			
 filtration 过滤			
 glomerulus 肾小球			
 reabsorption 重吸收			
 deamination 脱氨基作用			
 toxic 有毒			
 coordinate 协调			

 nervous system 神经系统			
 central nervous system 中枢神经系统			
 spinal cord 脊髓			
 peripheral nervous system 周围神经系统			
 regulates 调节			
 sensory neurones 感觉神经元			
 relay neurones 中间神经元			
 motor neurones 运动神经元			
 reflex 反射			
 response 反应			
 stimulus 刺激			
 reflex arc 反射弧			
 receptor 感受器			
 effector 效应器			

Mathematics

Topic 4 · Geometry

 regular polygon 正多边形			
 pentagon 五边形			
 hexagon 六边形			
 octagon 八边形			
 interior angle 内角			

» exterior angle 外角

[:] line symmetry 轴对称

↻ rotational symmetry 旋转对称

☐ plane of symmetry 对称面

— axis of symmetry 对称轴

○ circle 圆

• centre 圆心

↗ radius 半径

— diameter 直径

⊙ circumference 圆周

— chord 弦

Computer Science

Topics 5–6 · The internet and its uses, Automated and emerging technologies

☎ proxy server 代理服务器

⚙ automated system 自动化系统

🌱 environment 环境

👤 human intervention 人工干预

🔥 central heating 中央供暖

⚗ chemical process 化学过程

🏠 greenhouse 温室

— car park barrier 停车场道闸

 sensor 传感器			
 microprocessor 微处理器			
 stored values 存储值			
 agriculture 农业			
✓ consistent 一致的			
 Robotics 机器人技术			
 robots 机器人			
 physical structure 物理结构			
 mechanical 机械的			
 electrical components 电子元件			
<> programmable instructions 可编程指令			
 factory equipment 工厂设备			

Economics

Topics 3-4 · Microeconomic decision-makers, Government and the macroeconomy

— average cost 平均成本			
 revenue 收益			
— average revenue 平均收益			
🎯 objectives 目标			
💓 survival 生存			
↗️ growth 增长			
⚔️ competition 竞争			

 **barriers to entry** 进入壁垒

 **macroeconomy** 宏观经济

 **full employment** 充分就业

 **price stability** 价格稳定

 **inflation** 通货膨胀

 **balance of payments** 国际收支

 **redistribution of income**
收入再分配

English

Topics 6-7 · Writing an article, Writing a review

 **engage** 吸引

 **title** 标题

 **interest** 兴趣

 **introduction** 引言

 **varied** 多样的

 **review** 评论

 **describes** 描述