
Morning Reading 晨读

Grade 10 · Week 2

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。

Li Wei cycles to school every morning. When the road is empty, his **speed** is high. When he sees the school gate, he slows down. This is called **deceleration**. At the gate he stops and waits for his friend, so he is **at rest**. If you draw his journey on a **distance-time graph**, the **gradient** of the line shows his speed.

Before school, his mother boils water for tea. **Boiling** turns the liquid into gas. Some water is also **evaporating** slowly from the wet cups by the window. On the cold glass, the steam is **condensing** back into water drops.

His aunt is an **entrepreneur**. She opened a small noodle shop this year. She needed **land** for the shop, **labour** to cook and serve, and **capital** such as pots and tables. Her reward is **profit**. Every choice has an **opportunity cost**: the money she spent on tables cannot buy a new sign.

Talk about it 说一说:

1. Describe your journey to school using the words speed, acceleration, and at rest.
2. If you started a small shop, what land, labour, and capital would you need?

Physics

Topic 1 · Motion, forces and energy

↓ **weight** 重力

↻ **velocity** 速度

↓ **terminal velocity** 收尾速度

↻ **acceleration** 加速度

↓ acceleration of free fall 自由落体加速度			
🌀 Speed 速率			
📈 speed-time graph 速度-时间图			
📈 load-extension graph 载 荷-伸长图			
📈 distance-time graph 距 离-时间图			
↕ extension 伸长量			
⏏ deceleration 减速			
🛑 at rest 静止			
↗ gradient 斜率			
∑ area under the line 线下 面积			
🌀 air resistance 空气阻力			
📦 matter 物质			
🌐 Gravitational field strength 重力场强度			
⚖ gravitational potential 重力势能			
⚖ balance 天平			
📦 Regular solid 规则固体			
📦 Irregular solid 不规则固 体			

Chemistry

Topics 1-2 · States of matter, Atoms, elements and compounds

 melting 熔化			
 melting point 熔点			
 boiling point 沸点			
 boiling 沸腾			
 freezing 凝固			
 evaporating 蒸发			
 condensing 凝结			
 sublimation 升华			
 heating curve 加热曲线			
 cooling curve 冷却曲线			
 collide 碰撞			
 diffusion 扩散			
 concentration 浓度			
 rate 速率			
 pressure 压强			
 ammonia 氨气			
 hydrogen chloride 氯化氢			
 ammonium chloride 氯化铵			
 compound 化合物			
 ionic compound 离子化合物			
 ionic bond 离子键			
 covalent bond 共价键			

Biology

Topic 1 · Characteristics and classification of living organisms

⊙ yeast 酵母

⊖ prokaryote 原核生物

🦠 bacteria 细菌

○ single-celled 单细胞

◎ nucleus 细胞核

🔍 protist 原生生物

≡ algae 藻类

🐾 vertebrates 脊椎动物

🦴 backbone 脊柱

🐾 mammals 哺乳动物

🐾 fur 毛发

🐦 birds 鸟类

🦄 feathers 羽毛

△ beak 喙

🐍 reptiles 爬行动物

🛡 scales 鳞片

🐸 amphibians 两栖动物

🐟 fish 鱼类

🐟 fins 鳍

🐟 gills 鳃

🦋 arthropods 节肢动物

🦋 exoskeleton 外骨骼

 joints 关节			
 insects 昆虫			
 antennae 触角			
 arachnids 蛛形类			
 crustaceans 甲壳类			
 myriapods 多足类			
 segments 体节			
 ferns 蕨类植物			
 spores 孢子			
 flowering plants 开花植物			
 seeds 种子			
 cotyledons 子叶			
 monocotyledons 单子叶植物			
 leaf veins 叶脉			
 dicotyledons 双子叶植物			

Mathematics

Topic 1 · Number

 lowest common multiple 最小公倍数			
 set 集合			
• element 元素			
 universal set 全集			
 complement 补集			

⌀ empty set 空集			
⊆ subset 子集			
∪ union 并集			
∩ intersection 交集			
⊙ Venn diagram 维恩图			
⌘ power 幂			
# index 指数			
√ square root 平方根			
∛ cube root 立方根			
$\times_2$ base 底数			
→ standard form 科学记数法			
√ surd 根式			

Computer Science

Topics 1–2 · Data representation, Data transmission

T character set 字符集			
😊 emoji 表情符号			
💾 storage 存储			
🔊 sound wave 声波			
📊 sampling 采样			
🕒 sample rate 采样率			
🔲 sample resolution 采样分辨率			
↕ amplitude 振幅			

 pixel 像素			
 resolution 分辨率			
 colour depth 颜色深度			
 compression 压缩			
 bandwidth 带宽			
 transmission 传输			
 lossless 无损			
 run-length encoding 行程编码			
 lossy 有损			
 data transmission 数据传输			
 packets 数据包			
 packet header 包头			

Economics

Topic 1 · The basic economic problem

 free goods 免费物品			
 factors of production 生产要素			
 land 土地			
 labour 劳动			
 capital 资本			
 enterprise 企业家才能			
 entrepreneur 企业家			
 reward 报酬			

 rent 地租			
 wages 工资			
% interest 利息			
 profit 利润			
 mobility 流动性			
 alternative 替代选择			
 production possibility curve 生产可能性曲线			

English

Topic 1 · Reading skills

 paraphrase 改写			
 signal words 信号词			
+ addition 递进			
 contrast 对比			
→ cause and effect 因果			
 note-making 做笔记			
 summary 概括			