

机器人科技的发展

审题干划出关键点，精准定位，提高正确率：

46. Human ingenuity was initially demonstrated in _____.
47. The word “gizmos” (Line 1, Paragraph 2) most probably means _____.
48. According to the text, what is beyond man’s ability now is to design a robot that can _____.
49. Besides reducing human labor, robots can also _____.
50. The author uses the example of a monkey to argue that robots are _____.
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段1

①Since the dawn of human ingenuity, people have devised ever more cunning tools to cope with work that is dangerous, boring, burdensome, or just plain nasty. ②That compulsion has resulted in robotics—the science of conferring various human capabilities on machines. ③And if scientists have yet to create the mechanical version of science fiction, they have begun to come close.

【段1】

段1生词：

- dawn n. _____；黎明，破晓
- ingenuity n. _____
- devise v. _____
- cunning adj. 巧妙的
- cope with... _____
- burdensome adj. 难以承担的；繁重的
burden n. 负担，责任；载货量
- nasty adj. 极差的，恶心的；令人厌恶的，令人不快的

- compulsion n. 强制，难以抗拒的冲动
compulsive adj. 强迫性的；极有趣的，令人着迷的
- result in... _____
result from... _____
- confer... on... 将.....授予.....
- various adj. 各种各样的，多样化的
- capability n. _____
capable adj. 能干的，能胜任的
be capable of... 能够，有能力
- create v. 创造，创作
- mechanical adj. 机械的；呆板的
- science fiction 科幻小说
- come close 接近

段2

①As a result, the modern world is increasingly populated by intelligent gizmos whose presence we barely notice but whose universal existence has removed much human labor. ②Our factories hum to the rhythm of robot assembly arms. ③Our banking is done at automated teller terminals that thank us with mechanical politeness for the transaction. ④Our subway trains are controlled by tireless robot-drivers. ⑤And thanks to the continual miniaturization of electronics and micro-mechanics, there are already robot systems that can perform some kinds of brain and bone surgery with submillimeter accuracy—far greater precision than highly skilled physicians can achieve with their hands alone.

【段2】 _____

段2生词：

- presence n. 在场，出席，参加；存在
- universal existence _____
- remove human labor 解放人类劳动力
- hum v. 发出嗡嗡声 n. 嗡嗡声（文中表示“很忙碌、很活跃”）
- rhythm n. 节奏；韵律
- assembly n. 装配，安装；聚集
assemble v. 集合，聚集；装配；收集
- automated teller terminals 自动柜员终端
- terminal n. 终端，终端设备
- transaction n. _____
- continual adj. _____
- miniaturization n. 小型化
- submillimeter n. 亚毫米（介于1~0.1毫米之间）
- accuracy n. _____
accurate adj. _____
accurately adv. 精确地，准确地
- precision n. _____
precise adj. 精确的；明确的；严格的
precisely adv. 精确地；恰好

段3

①But if robots are to reach the next stage of laborsaving utility, they will have to operate with less human supervision and be able to make at least a few decisions for themselves—goals that pose a real challenge. ②“While we know how to tell a robot to

handle a specific error,” says Dave Lavery, manager of a robotics program at NASA, “we can’t yet give a robot enough ‘common sense’ to reliably interact with a dynamic world.”

【段3】

段3生词：

- utility n. 实用，效用，有用性
- supervision n. 监督，管理
supervise v. 监督，管理
- pose a challenge _____
- challenge n./v. _____
- specific adj. 特定的；明确的，详细的
- common sense _____
- reliably adv. _____
reliable adj. 可靠的，可信赖的
unreliable adj. 不可靠的，不可信任的
- interact with... _____
- interact v. 相互作用，相互影响，互相配合
interaction n. 相互作用，合作，配合
- dynamic adj. _____

段4

①Indeed the quest for true artificial intelligence has produced very mixed results.

②Despite a spell of initial optimism in the 1960s and 1970s when it appeared that transistor circuits and microprocessors might be able to copy the action of the human brain by the year 2010, researchers lately have begun to extend that forecast by decades if not centuries.

【段4】

段4生词：

- quest n. 探索；追寻，寻找
- artificial intelligence _____
- spell n. 一段时间 v. 拼写
- initial adj. 最初的，开始的 n. 首字母
- optimism n. _____
- optimistic adj. _____
- transistor n. 晶体管
- circuit n. 电路，回路
- microprocessor n. 微(信息)处理器
- forecast n./v. _____

段5

①What they found, in attempting to model thought, is that the human brain's roughly one hundred billion nerve cells are much more talented—and human perception far more complicated—than previously imagined. ②They have built robots that can recognize the error of a machine panel by a fraction of a millimeter in a controlled factory environment. ③But the human mind can glimpse a rapidly changing scene and immediately disregard the 98 percent that is irrelevant, instantaneously focusing on the monkey at the side of a winding forest road or the single suspicious face in a big crowd. ④The most advanced computer systems on Earth can't approach that kind of ability, and neuroscientists still don't know quite how we do it.

【段5】 _____

段5生词：

- model thought 模拟思维
- model v. 模拟 n. 模型；模范；模特儿
- perception n. _____；认识，看法
perceptive adj. 洞察力强的；敏锐的；理解力强的
- complicated adj. _____
- previously adv. 以前，之前
- a fraction of...的一小部分
- glimpse v./n. (无意或匆匆的) _____
- disregard v. _____
- irrelevant adj. _____
- instantaneously adv. 即刻；突如其来地
- focus on... 集中于、专注于……
- suspicious adj. 可疑的；怀疑的；多疑的
- advanced adj. 先进的，超前的；高级的；晚期的
advance v./n. 前进，提前；进步，进展；上涨
- approach v. _____ n. 方法，方式；路径；接近，临近
- neuroscientist n. 神经系统科学家

46. Human ingenuity was initially demonstrated in _____.

- [A] the use of machines to produce science fiction
- [B] the wide use of machines in manufacturing industry
- [C] the invention of tools for difficult and dangerous work
- [D] the elite's cunning tackling of dangerous and boring work

我的答案：_____ 正确答案：_____

本题的难点：_____

定位原文：_____

静姐的“填坑指南”：_____

47. The word “gizmos” (Line 1, Paragraph 2) most probably means _____.

[A] programs

[B] experts

[C] devices

[D] creatures

语意题：考查词、词组、句子的含义，重点不在于_____，重点在于_____。

本题通过上下文的_____（哪几句话）可以判断出答案。

48. According to the text, what is beyond man's ability now is to design a robot that can _____.

[A] fulfill delicate tasks like performing brain surgery

[B] interact with human beings verbally

[C] have a little common sense

[D] respond independently to a changing world

我的答案：_____ 正确答案：_____

本题的难点：_____

定位原文：_____

静姐的“填坑指南”：_____

49. Besides reducing human labor, robots can also _____.

[A] make a few decisions for themselves

[B] deal with some errors with human intervention

[C] improve factory environments

[D] cultivate human creativity

我的答案：_____ 正确答案：_____

定位原文：_____

静姐的“填坑指南”：_____

50. The author uses the example of a monkey to argue that robots are _____.

- [A] expected to copy human brain in internal structure
- [B] able to perceive abnormalities immediately
- [C] far less able than human brain in focusing on relevant information
- [D] best used in a controlled environment

我的答案：_____ 正确答案：_____

本题的难点：_____

定位原文：_____

静姐的“填坑指南”：_____