## IELTS READING - Telepathy S41AT3



IELTS Reading Telepathy reading practice test has 10 questions..

Can human beings communicate by thought alone? For more than a century the issue of telepathy has divided the scientific community, and even today it still sparks bitter controversy among top academics.

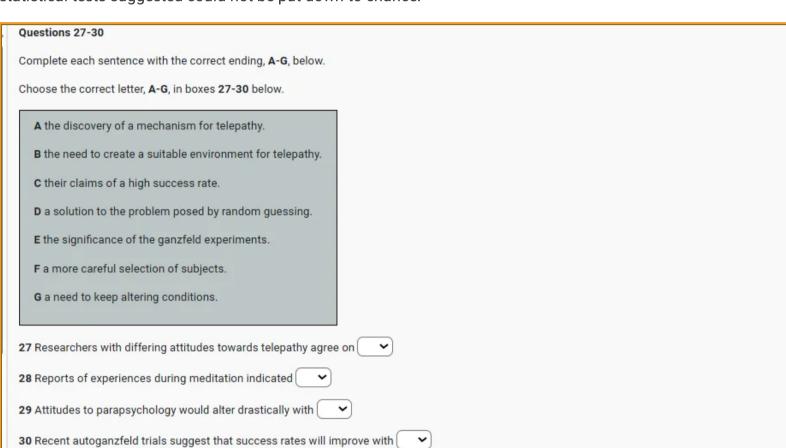
Since the 1970s, parapsychologists at leading universities and research institutes around the world have risked the derision of sceptical colleagues by putting the various claims for telepathy to the test in dozens of rigorous scientific studies. The results and their implications are dividing even the researchers who uncovered them.

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Some researchers say the results constitute compelling evidence that telepathy is genuine. Other parapsychologists believe the field is on the brink of collapse, having tried to produce definitive scientific proof and failed. 027 Sceptics and advocates alike do concur on one issue, however: that the most impressive evidence so far has come from the so-called 'ganzfeld' experiments, a German term that means 'whole field'. O28 Reports of telepathic experiences had by people during meditation led parapsychologists to suspect that telepathy might involve 'signals' passing between people that were so faint that they were usually swamped by normal brain activity. In this case, <sub>028</sub> such signals might be more easily detected by those experiencing meditation-like tranquillity in a relaxing 'whole field' of light, sound, and warmth.

The ganzfeld experiment tries to recreate these conditions with participants sitting in soft reclining chairs in a sealed room, listening to relaxing sounds while their eyes are covered with special filters letting in only soft pink light. In early ganzfeld experiments, the telepathy test involved identification of a 032 picture chosen from a random selection of four taken from a large image bank. The idea was that a person acting as a '031 sender' would attempt to beam the image over to the 'Q33 receiver' relaxing in the sealed room.

Once the session was over, this person was asked to identify which of the four images had been used. Random guessing would give a hit-rate of 25 percent; if telepathy is real, however, the hit-rate would be higher. In 1982, the results from the first ganzfeld studies were analysed by one of its pioneers, the American parapsychologist Charles Honorton. They pointed to typical hit-rates of better than 30 percent - a small effect, but one which statistical tests suggested could not be put down to chance.



The implication was that the ganzfeld method had revealed real evidence for telepathy. But there was a crucial flaw in this argument - one routinely overlooked in more conventional areas of science. Just because chance had been ruled out as an explanation did not prove telepathy must exist; there were many other ways of getting positive results. These ranged from 'Q34 sensory leakage' – where clues about the pictures accidentally reach the receiver – to  $_{035}$  outright fraud. In response, the researchers issued a review of all the ganzfeld studies done up to 1985 to show that 80 percent had found statistically significant evidence. However, they also agreed that there were still too many problems in the experiments which could lead to positive results, and they drew up a list demanding new standards for future research.

After this, many researchers switched to autoganzfeld tests – an automated variant of the technique which used 036 computers to perform many of the key tasks such as the random selection of images. By minimising 037 **human involvement**, the idea was to minimise the risk of flawed results. In 1987, results from hundreds of autoganzfeld tests were studied by Honorton in a 'Q38 meta-analysis', a statistical technique for finding the overall results from a set of studies. Though less compelling than before, the outcome was still impressive.

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omplete the table	below.		
noose NO MORE	THAN THREE WORDS from the passage fo	or each answer.	
pe your answers	in boxes 31-40 below.		
Telepathy Expe	iments		
Name/Date	Description	Result	Flaw
Ganzfeld studies 1982	Involved a person acting as a 31  Type correct answers here who picked out one 32  Type correct answers here from a random selection of four, and a 33  Type correct answers here who then tried to identify it.	Hit-rates were higher than with random guessing.	Positive results could be produced by factors such as 34  Type correct answers here  Type correct answers here
Autoganzfeld studies 1987	36 Type correct answers here were used for key tasks to limit the amount of 37 Type correct answers here in carrying out the tests.	The results were then subjected to a 38  Type correct answers here	The 39  Type correct answers here between different test results was put down to the fact that sample groups were not 40  Type correct answers here (as with most ganzfeld studies).

Yet some parapsychologists remain disturbed by the <sub>039</sub> lack of consistency between individual ganzfeld studies. Defenders of telepathy point out that demanding impressive evidence from every study ignores one basic statistical fact: it takes large samples to detect small effects. If, as current results suggest, telepathy produces hitrates only marginally above the 25 percent expected by chance, it's unlikely to be detected by a typical ganzfeld study involving around 40 people: the group is just not 040 big enough. Only when many studies are combined in a meta-analysis will the faint signal of telepathy really become apparent. And that is what researchers do seem to be finding.

What they are certainly not finding, however, is any change in attitude of mainstream scientists: 029 most still totally reject the very idea of telepathy. The problem stems at least in part from the lack of any plausible mechanism for telepathy.

Various theories have been put forward, many focusing on esoteric ideas from theoretical physics. They include 'quantum entanglement', in which events affecting one group of atoms instantly affect another group, no matter how far apart they may be. While physicists have demonstrated entanglement with specially prepared atoms, noone knows if it also exists between atoms making up human minds. Answering such questions would transform parapsychology. This has prompted some researchers to argue that the future lies not in collecting more evidence for telepathy, but in probing possible mechanisms. Q30 Some work has begun already, with researchers trying to identify people who are particularly successful in autoganzfeld trials. Early results show that creative and artistic people do much better than average: in one study at the University of Edinburgh, musicians achieved a hit-rate of 56 percent. Perhaps more tests like these will eventually give the researchers the evidence they are seeking and strengthen the case for the existence of telepathy.

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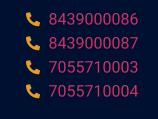


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